



CITY OF STOKE-ON-TRENT

ANNUAL REPORT

ON THE WORK OF THE

Public Health Department

1948

A. WOTHERSPOON, M.B., Ch.B., D.P.H.

Medical Officer of Health



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INDEX

	PAGE
Acute Anterior Poliomyelitis	25
Acute Encephalitis Lethargica and Acute Polio Encephalitis	25
Adoption of Children	42
Ambulance Service	48, 49, 50
Ante-Natal Clinic	41
Area and Population	14, 15
Ashbins	53
Area of District	14
Bacteriology	27
Bagnall Sanatorium	31, 32
Bakehouses	84
Births	16
Births—Illegitimate	16, 44
Births—Notification of	39
Cancer	28
Canal Boats, Inspections, &c.	63, 64
Cafes	84
Carcases, etc., Examined	82
Census, 1911, 1921, 1931	14
Cerebro-Spinal Fever	25
Child Welfare Centres	40
Cheshire Joint Scheme	31, 32
Clearance Areas	57
Closet Accommodation	54
Common Lodging House	53, 54
Complaints received	52
Control of Civil Building	58
Conversions	55
Cowsheds	79
Children Act	41, 42
Dairies	79
Deaths	20
Deaths—Principal causes of	20
Deaths—from Principal Zymotic Diseases	21
Deaths assigned to Pregnancy or Child-Birth	42
Demolition Orders	57
Dental Treatment	41
Diphtheria	24
Diphtheria Immunisation	27
Disinfection	64
Disinfestation	64, 65
Dispensary Tuberculosis	30, 31
Drainage—Inspection of	53
Dysentery	25
Enccephalitis Lethargica	25
Erysipelas	25
Factories—Sanitary accommodation	61, 62, 63
Fat Melters and Extractors	83
Fertilisers and Feeding Stuffs Act, 1926	75
Food and Drugs Acts	66, 67, 68, 69, 70, 71, 72, 73, 74
Foods—other	83
Fried Fish Shops	84
Food Shops	84
Gut Scrapers	83
Health Visiting	39, 40
Health Committee	9
Hide and Skin Yards	83
Houses let in Lodgings	53
Housing	55, 56, 57
Home Helps	44, 45
Home Nursing	47

INDEX—continued.

PAGE

Ice-Cream Shops	75
Illegitimate Births	16, 44
Immunisation—Diphtheria	27
Infant Welfare Centres—Attendances at	40
Infantile Mortality	37, 38, 39, 40
Infectious Diseases	24, 25, 43
Infectious Diseases Hospital	26
Influenza	25
Inhabited Houses	14
Inspection of Drainage Work	52
Introduction	7, 8
Infant Life Protection	41, 42
Industrial Canteens	84
Knackers Yards	83
Laboratory Work	27
Lead Poisoning	28
Legal Proceedings	54
Lodging House and Houses Let in Lodging	53
Malaria	25
Margarine Dealers—Registration of	75
Marine Stores	53, 54
Maternity and Child Welfare	37
Maternal Mortality	42, 43
Measles	47
Meat and Food Inspection	79, 80, 81, 82, 83
Mental Health	36
Merchandise Marks Act, 1926	75
Midwives Acts, 1936	37
Milk Analysis	77, 78
Milk, Preservatives in	70, 71, 72, 73, 74
Milk Supply	76, 77, 78, 79
Milk and Dairies Acts & Orders	79
Mothers—Death of from Child-birth	42
Meningitis	26
Natural Increase	16
Notification of Births	39
Notices, served	54
Nuisances dealt with	52
Nurseries	43
Offensive Trades	83
Ophthalmia Neonatorum	43, 44
Other Foods	83
Overcrowding	58
Pails	55
Pemphigus Neonatorum	43, 47
Pneumonia	25
Pleurisy	28
Population	14, 15
Preservative in Milk, Butter, etc.	70, 71, 72, 73, 74
Premature Infants	46
Privies, Conversion of	55
Puerperal Sepsis, etc.	43
Public Conveniences	53
Public Swimming Baths	79

INDEX—*continued.*

	PAGE
Rainfall, Register of	86
Rag Flock Act	75
Rateable Value	16
Rats and Mice (Destruction) Act, 1919	65
Refuse Disposal	50
Refuse Collection	50
Registration of Margarine Dealers and Butter Factories	75
Rent Restrictions Act	55, 58
Respiratory Diseases	28
Salvage	51
Sanitary Defects found and dealt with	51, 52, 53
Sanitary Inspection of the District	51, 52, 53
Scarlet Fever	24
Schools	25
School Closures	25
Smallpox	25
Smoke Nuisance	58, 59, 60
Staff	10, 11, 12, 13
Stanfield Sanatorium	31, 32
Still-births	16, 45
Street Cleansing	50
Surgical Tuberculosis	32, 33
Swimming Baths, Public	79
Tripe Boilers	83
Tuberculosis	29, 30, 31, 32, 33
Tuberculosis (other Forms)	29
Theatres, Music Halls.. .. .	53
Typhoid and Para-Typhoid Fever	24
Urinals—Public	53
Vaccination	35
Venereal Diseases	33, 34
Vital Statistics.. .. .	17
Water Supply and Analysis	86
Whooping Cough	47, 48
Whooping Cough Immunisation	28
Workplaces	61
Zymotic Diseases—Deaths from Principal	21
Area, Population and Persons per Acre in existing Wards	Table No. 1 .. 15
Vital Statistics.. .. .	Table No. 2 .. 17
Number of Births, Birth Rate, Number of Deaths, Death Rate and Infantile Mor- tality Rate in each of the 28 Wards	Table No. 3 .. 18
Birth Rate, Death Rate and Infantile Mortality Rate since Federation	Table No. 4 .. 19
Vital Statistics for Stoke-on-Trent, 126 Large Towns, and England and Wales, and Natural Increase for Stoke-on-Trent for 5 years	Table No. 5 .. 20
Causes of and Ages at Death during 1947	Table No. 6 .. 22
Cases of Infectious Diseases notified during 1947	Table No. 7 .. 23
Infantile Mortality occurring in the City, 1947	Table No. 8 .. 38



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CITY OF STOKE-ON-TRENT

PUBLIC HEALTH DEPARTMENT

*To the Lord Mayor, Aldermen and Councillors of the
City of Stoke-on-Trent.*

LADIES AND GENTLEMEN,

I have the honour to present to you my Annual Report for the year 1948.

The year has been a milestone in the history of this Country owing to the application in July of the National Health Service Act, 1946. This Act virtually separated Curative and Preventive Medicine, placing the former under the Regional Hospital Boards and leaving the latter to the Local Authority to carry out.

In short, the Health Committee lost control of the Hospitals, and the Tuberculosis and Venereal Disease Clinics. They have, however, had extended responsibilities in other directions particularly as to care and after-care.

The removal of Medical staff has made difficulties which in due course will have to be remedied. It seems possible that in the future there will be fewer entrants to the Public Health Service owing to more attractive openings as Civil Servants.

The estimated civil population at the middle of the year was 273,600 an increase of 3,400 as compared with the previous year.

The Birth Rate is lower, being 20.0 as compared with 23.5 the previous year. That for the large towns was 20.0 compared with 23.3 last year.

The Death Rate is 10.7 being 1.4 lower than last year. The rate for the large towns was 11.6 or 1.4 lower than in 1947.

The Infantile Rate was 42 compared to 61 for last year and 55 for 1946, this is the lowest rate ever in Stoke-on-Trent.

The Maternal Mortality Rate is lower, being 0.54 compared with 1.53 per thousand total births. There were 3 deaths compared with 10 in 1947.

No death occurred from Scarlet Fever during the year although 693 cases were notified. The percentage of cases removed to Hospital is steadily declining.

Again there were no deaths from Diphtheria.

The need for immunisation at an early age is as urgent as ever. Special Clinics are being held each week. The School Medical Staff is also co-operating, and many of the Departments have now a percentage immunised of over 90.

The number of deaths from Gastro Enteritis was 38.

There was only one case of Acute Anterior Poliomyelitis notified, there was one death.

The deaths from Pulmonary Tuberculosis were 150 an increase of 6 over 1947.

Cancer deaths show an increase on last year, 503 compared with 477 in 1947, and 500 in 1946. The number of deaths from Cancer is steadily increasing.

Influenza caused 9 deaths compared with 18 in 1947.

Organic Heart Disease caused 896 deaths, a decrease of 14 over 1947.

On August 31st this year Mr. James E. Smith, who has held the position of Chief Clerk in the Health Department for the past 35 years, retired, and I wish to place on record my appreciation of his help to myself and my predecessor during those years.

I wish to thank the Chairman and all Members of my Committee for their assistance, and the staff for their loyal help during the past year.

I am, Ladies and Gentlemen,

Your obedient Servant,

ALLAN WOTHERSPOON,

Medical Officer of Health.

PUBLIC HEALTH DEPARTMENT,

STOKE-ON-TRENT.

JULY, 1949.

Health Committee at December, 1948.

CHAIRMAN—Councillor (Mrs) A. L. Barker, J.P.

VICE-CHAIRMAN—Councillor Rev. A. Perry.

Alderman A. Austin,	Councillor W. Bailey,
Alderman A. Hollins, J.P.	Councillor L. Bridgett,
Alderman W. H. Kemp, J.P., M.P.S.	Councillor W. Briscoe,
Alderman H. Leason, J.P., A.M.I.E.E.	Councillor S. Capewell,
Alderman (Mrs.) B. E. Meakin,	Councillor G. N. Cooke,
Alderman A. P. Spark, J.P., M.B. Ch.B., O.St.J.	Councillor W. J. Eardley,
	Councillor (Mrs.) F. Jones,
	Councillor W. P. McGough, J.P.
	Councillor G. U. Meir,
	Councillor J. Moulton,
	Councillor W. T. Pemberton, F.Inst.T.A.
	Councillor (Mrs.) H. Slater.

STAFF OF THE PUBLIC HEALTH DEPARTMENT.

Medical Officer of Health,

ALLAN WOTHERSPOON, M.B., Ch.B., D.P.H.

Deputy Medical Officer of Health and Medical Superintendent Infectious Diseases Hospital,

A. J. EWING, M.A., M.B., Ch.B., D.P.H.,

(Transferred to Hospital Management Committee, Group 2I, July 5th, 1948).

Tuberculosis Officer,

C. McBRIDE, M.B., B.Ch., B.A.O.,

(Transferred to Hospital Management Committee, Group 2I, July 5th, 1948).

Assistant Tuberculosis Officer,

SYBIL MARTYN-JOHNS, M.B., Ch.B., D.P.H.

(Transferred to Hospital Management Committee, Group 2I, July 5th, 1948).

Resident Medical Officer, Stanfield Sanatorium,

R. L. GREENWOOD, M.B., Ch.B., M.R.C.S., L.R.C.P.

(Resigned, May 31st, 1948).

Surgical Tuberculosis Officer,

D. WAINWRIGHT, F.R.C.S. (Part Time)

(Transferred to Hospital Management Committee, Group 2I, July 5th, 1948).

Veneral Diseases Officer,

A. R. AGATE, M.R.C.S., L.R.C.P.

(Transferred to Hospital Management Committee, Group 2I, July 5th, 1948).

Maternity and Child Welfare Officer,

ELIZABETH J. FINDLAY, M.D., D.P.H.

Medical Officer, City Maternity Home,

A. HANCOCK, M.B., Ch.B. Died April 12th, 1948
--

Assistant Maternity and Child Welfare Officers,

MARY B. FALLOWFIELD JOEL, M.B., Ch.B.

EILEEN M. RING, M.B., B.Ch., B.A.O., N.U.T.

Assistant Medical Superintendent, Infectious Diseases Hospital,
R. H. McKILLOP, L.A.H.
(*Resigned, 31st March, 1948*).

Chief Sanitary Inspector,
D. HURST, Cert. R.S.I., Cert. Meat Insp.

Deputy Chief Sanitary Inspector,
WM. A. EDGE, Cert. R.S.I., Cert. Meat Insp.

Senior Smoke and Factory Inspector,
J. NICKLIN, Cert. R.S.I., Cert. Meat Insp.

Assistant Smoke and Factory Inspector,
S. HODGKINSON, Cert. R.S.I., Cert. Meat Insp

Senior Housing Inspector,
C. STUBBS, Cert. R.S.I., Cert. Meat Insp.

Assistant Rodent Officer,
F. TAYLOR, Cert. R.S.I., Cert. Meat Insp.

District Sanitary Inspectors,
G. E. EARNSHAW, Cert. R.S.I., Cert. Meat Insp. ; R. G. WHISTON,
Cert. R.S.I., Cert. Meat Insp. ; R. J. LEESE, Cert. R.S.I., Cert Meat
Insp. ; E. W. FOSKETT, Cert. R.S.I., Cert. Meat Insp. ; R. COLLIER,
Cert. R.S.I., Cert. Meat Insp. ; L. C. COOPER, Cert. R.S.I., Cert.
Meat Insp. ; R. SAMBROOK, Cert. R.S.I.,; D. N. DUNLOP, Cert R.S.I. ;
R. CROSBIE, Cert. R.S.I. ; N. GADD, Cert. R.S.I.

Senior Meat and Food Inspector,
G. J. WOODHOUSE, Cert. R.S.I., Cert. Meat Insp.

Assistant Meat and Food Inspectors,
H. TOWNSON, Cert. R.S.I., Cert Meat Insp. (*resigned, 31-10-48*) ;
M. D. WATSON, Cert. R.S.I., Cert. Meat Insp.
B. D. ALLEN, Cert. R.S.I., Cert. Meat Insp.

Detention Officers,
T. A. KIRKHAM and T. MACKRORY

Senior Food and Drugs Inspector,
G. S. HANN, Cert. R.S.I.

Assistant Food and Drugs Inspector,
N. PERRY, Cert. R.S.I., Cert. Meat Insp.

Pupil Sanitary Inspectors,

D. ALLEN ; D. B. MORRIS ; W. G. ALDRIDGE

Cleansing Superintendent,

R. G. TOTTY, M.I.P.C.

Assistant Cleansing Superintendent,

P. WEATHERBY, A.M.I.P.C.

Public Analyst,

A. HOULDBROOKE

Senior Health Visitor,

I. SYLVESTER, (*resigned*, 31-7-48)

E. R. CURREN, (*Appointed*, 1-11-48)

Health Visitors,

L. MAYER, E. A. JOLLEY, S. A. TIDESWELL, G. WILKINSON,
S. CORDON, E. DAY, E. RATCLIFFE, E. BULLOCK, D. CLATWORTHY,
M. M. BYRNE, W. V. PITT, E. M. SLACK, J. DOWNING, W. BURGESS,
D. M. BROWN, N. FRADLEY, M. JONES, E. C. EVANS.

Supervisor of Midwives,

R. BUSBY

Assistant Supervisor of Midwives,

E. S. CHAINEY, (*commenced*, 1-9-48).
and 37 Municipal Midwives

Supervisor of Day Nurseries,

F. WHITBY

Superintendent of Home Nursing,

G. M. IRONSIDE, (*commenced*, 23-8-48)
22 Home Nurses

Tuberculosis Nurses,

E. F. UNSWORTH, L. PROUDLOVE, E. J. BELL, G. PETTY
(*Transferred to Hospital Management Committee, Group 21*
July 5th, 1948).

Laboratory Assistant, Tuberculosis Dispensary,

I. A. BOULTON

(*Transferred to Hospital Management Committee, Group 21*
July 5th, 1948).

Venereal Diseases Centre,

Male Orderlies, J. W. HOWARTH, R. HOULT

Sister-in-Charge, D. M. THOMPSON

*(Transferred to Hospital Management Committee, Group 21,
July 5th, 1948).*

Ambulance Officer,

F. E. S. JONES, *(commenced, 5-7-48)*

Mental Health Service,

Senior Authorised Officer,

T. W. POOLE

Authorised Officers,

G. BRUNT, E. G. MOUNTFORD, F. G. WILLIAMSON

Supervisor, Occupation Centre,

Miss M. EDGE RILEY

Chief Clerk,

J. E. SMITH, R.S.I. *(resigned, August 31st. 1948)*

H. R. TOPHAM, *(appointed, December, 1948)*

Clerical Staff,

F. SCHOLES, C. EMERY, H. BURSLEM, R. SHACKLETON, R. TABBINER,
J. A. B. MCNEAL, W. SHAW, D. J. OWEN, *(appointed 5-7-48)*, I. T.
FINNEY, A. BAGNALL, M. MAITLAND, E. TABBINER, G. J. EDWARDS,
M. BOULTON, I. C. JONES, C. V. HAMMERSLEY, C. M. DUNN, B.
JOHNSON, *(resigned, 31-3-48)*, B. F. POWELL, *(appointed, 12-4-48)*.

AREA AND POPULATION.

The City is 21,190 acres in area. It is 10 miles long, and in no part more than 5 miles wide. About 150 acres are covered with water.

The Registrar General gives the civilian population of the City as 273,600 at the middle of 1948. This figure is an increase of 3,400 on the figure supplied by the Registrar General for the previous year.

The populations at the Census periods were as follows :—

	Census 1911	Census 1921 (Extended Area)	Census 1931	Middle of 1948
TUNSTALL	27,390	27,791	27,890	25,570
BURSLEM	41,566	42,462	43,368	38,570
HANLEY	66,255	67,876	66,199	54,060
STOKE	36,218	39,277	44,293	43,570
FENTON	25,626	26,718	26,154	22,420
LONGTON	37,479	42,629	44,297	50,970
SMALLTHORNE, NORTON, BUCK- NALL, etc., Wards 27 and 28	—	20,894	24,438	38,440
Totals	234,534	267,647	276,639	273,600

The distribution of the population over the whole area at the time of the 1901 Census averaged 18.6 persons per acre, during the year 1911, 21.0 persons per acre, and in 1921, 22.0 persons per acre. The number of persons per acre for the extended City in 1931 was 13.05.

INHABITED HOUSES.

The number of inhabited houses at the Census of 1931 for the City was 58,687. The number of inhabited houses at the present time is estimated at 73,427.

During the year 1948, 1,141 permanent houses and 161 temporary bungalows were certified for habitation, in addition existing premises were converted to provide six additional units of accommodation ; 1,042 houses and 161 temporary bungalows were built by the Corporation, and 99 houses were built by private owners, and the conversions mentioned were carried out by private owners.

TABLE. 1—Areas, Population and Persons per Acre in Existing Wards.

Ward	Acreages	Population at Census 1921 (Revised)	Population at Census 1931	Population Middle of 1948	No. of persons per acre
1	1,090.93	10,321	10,268	10,840	9.94
2	249.70	10,046	9,547	5,890	23.19
3	417.94	8,021	8,075	8,840	21.15
4	439.66	8,191	7,903	6,020	13.69
5	433.25	8,481	9,783	12,100	27.92
6	214.84	9,773	9,384	7,210	33.56
7	294.94	8,574	8,267	6,550	22.08
8	480.95	8,355	8,031	6,690	13.99
9	226.95	11,909	11,662	7,590	33.44
10	255.75	10,497	10,080	8,920	34.88
11	500.53	10,773	10,496	8,740	17.46
12	203.77	8,958	8,767	7,570	37.15
13	315.91	9,237	8,513	6,920	21.30
14	266.96	8,304	7,748	6,250	23.41
15	202.92	9,655	8,933	8,070	12.98
16	611.60	10,097	11,759	10,950	17.90
17	280.85	9,511	9,193	8,100	28.84
18	200.03	10,084	8,945	6,770	33.84
19	417.58	8,330	8,938	7,840	18.78
20	565.65	9,208	8,482	5,990	10.59
21	1,595.70	10,422	14,396	17,750	11.12
22	747.92	9,754	8,734	8,590	11.49
23	2,329.43	10,333	10,482	11,220	4.82
24	1,092.84	12,879	12,326	9,890	9.05
25	305.80	9,409	8,913	8,360	27.34
26	1,640.40	10,866	12,576	21,500	13.11
27	2,701.20	13,700	13,860	15,900	5.89
28	3,106.00	7,505	10,578	22,540	7.25
	21,190.00	273,238	276,639	273,600	12.91

RATEABLE VALUE.

The rateable value of the City for the purposes of the General Rate at 1st April, 1949 was £1,330,334, compared with £1,336,129 at 1st April, 1948.

BIRTHS.

There were 5,460 births registered and allotted to the City in 1948, giving a birth rate of 20.0 per 1,000 of the population.

The rate for the 126 large towns of England and Wales was 20.0 per thousand and for England and Wales 17.9.

The rate is 3.5 lower than in 1947.

The ratio of births of males to births of females during the year was 1,068 to 1,000. For the year 1947 the ratio was 1060 males to 1,000 females.

The natural increase of population, that is, excess of births over deaths was 2,514. The previous year it was 3,083, a difference of 569 lives, the number of births registered being 900 less than in 1947, while the number of deaths was 331 less.

ILLEGITIMATE BIRTHS.

Of the total births, 270, or 4.95 per cent., were illegitimate, compared with 288, or 4.53 per cent., in the previous year.

STILL-BIRTHS.

Under the Notification of Births Act, all still-births must be notified to the Medical Officer of Health. 156 were notified during the year under the Act, and of these 56 were attended by midwives, 15 by medical men, and 71 took place in an institution.

The number registered during the 12 months ending 31st December was 159.

Taking the number of still-births that occurred in 1948 as 159, it is equal to 2.83 per cent of the total births. In 1947 there were 165 still-births, equal to 2.53 per cent.

TABLE 2.
Vital Statistics of Whole District during 1948 and previous years.

Year	Population estimated to middle of each year	BIRTHS		Total Deaths registered in the district		Transferable Deaths		Net Deaths belonging to the district		
		Un-corrected Number	Nett		Rate	of Non-residents registered in the district	of Residents registered in the district	Under 1 yr. of age		At all ages
			Number	Rate				Number	Rate per 1000 net Births	
1944	250,500	5,720	5,354	21.4	13.0	456	101	271	51	2,901 11.6
1945	251,410	5,523	4,965	19.8	13.2	442	115	250	50	2,993 11.9
1946	264,820	6,437	5,874	22.2	13.1	374	112	324	55	3,209 12.1
1947	270,200	6,876	6,360	23.5	13.1	400	126	391	61	3,277 12.1
1948	276,300	5,995	5,460	20.0	11.5	353	108	227	42	2,946 10.7

Area of District in acres (land and inland water), 21,190.

TABLE 3.

Showing the number of Births, Birth Rate, number of Deaths, Death Rate and Infantile Mortality Rate in each of the 28 Wards.

WARD			No. of Births registered	Birth Rate	No. of Deaths registered	Death Rate	Infantile Mortality Rate
1	..	..	246	22.7	133	12.3	49
2	..	..	145	24.6	68	11.5	28
3	..	..	171	19.3	93	10.5	41
4	..	..	119	19.8	70	11.6	67
5	..	..	227	18.8	137	11.3	26
6	..	..	130	19.4	88	12.2	46
7	..	..	125	19.1	68	10.4	104
8	..	..	118	17.6	72	10.8	59
9	..	..	146	19.2	84	11.1	41
10	..	..	184	20.6	99	11.1	27
11	..	..	165	18.9	125	14.3	55
12	..	..	139	18.4	72	9.5	65
13	..	..	164	28.7	84	12.1	49
14	..	..	133	21.6	81	13.0	15
15	..	..	149	18.5	79	9.8	20
16	..	..	196	17.9	134	12.2	41
17	..	..	155	19.1	86	10.6	32
18	..	..	156	23.0	99	14.6	83
19	..	..	135	17.2	91	11.6	37
20	..	..	107	17.8	71	11.9	19
21	..	..	325	16.1	163	9.2	18
22	..	..	156	18.2	86	10.0	26
23	..	..	262	23.3	129	11.5	57
24	..	..	228	23.1	97	9.8	31
25	..	..	153	18.3	109	13.0	52
26	..	..	413	19.2	187	8.7	31
27	..	..	360	22.7	163	10.3	47
28	..	..	453	20.1	178	7.9	42
Whole City			5,460	20.0	2,946	10.7	42

TABLE 4.

Birth Rate, Death Rate, and Infantile Mortality Rate for the whole City since Federation.

	Birth Rate	Death Rate	Infantile Mortality Rate
1910	32.5	17.1	149
1911	31.3	19.6	203
1912	31.2	15.9	128
1913	31.9	18.7	169
1914	31.6	17.4	144
1915	26.9	18.4	147
1916	23.9	16.8	126
1917	20.8	16.5	116
1918	22.3	20.3	111
1919	22.5	16.2	111
1920	30.9	12.8	98
1921	29.0	14.8	134
1922	25.9	14.3	115
1923	24.6	12.7	93
1924	23.7	13.5	101
1925	22.9	13.5	106
1926	21.7	12.5	101
1927	21.2	13.4	99
1928	19.6	11.7	87
1929	19.0	15.1	105
1930	19.9	11.7	70
1931	18.8	13.1	100
1932	17.2	12.1	88
1933	16.2	12.9	89
1934	16.7	11.7	85
1935	16.6	12.3	83
1936	16.8	12.4	74
1937	16.7	13.1	81
1938	16.4	11.3	52
1939	16.3	12.3	61
1940	17.0	13.2	61
1941	17.5	12.4	63
1942	18.9	11.9	49
1943	20.6	12.7	62
1944	21.4	11.6	51
1945	19.8	11.9	50
1946	22.2	12.1	55
1947	23.5	12.1	61
1948	20.0	10.7	42

TABLE 5.—Vital Statistics compared with those of the 126 large Towns and England and Wales over a period of five years, and the Natural increase for Stoke-on-Trent.

	Death Rate			Birth Rate			Infantile Mortality Rate			Natural Increase in Population, Stoke-on-Trent
	Stoke-on-Trent	126 Large Towns	England and Wales	Stoke-on-Trent	126 Large Towns	England and Wales	Stoke-on-Trent	126 Large Towns	England and Wales	
1944	11.6	13.7	11.6	21.4	20.3	17.6	51	52	46	2453
1945	11.9	13.5	11.4	19.8	19.1	16.1	50	54	46	1972
1946	12.1	12.7	11.5	22.2	22.2	19.1	55	46	43	2665
1947	12.1	13.0	12.0	23.5	23.3	20.5	61	47	41	3083
1948	10.7	11.6	10.8	20.0	20.0	17.9	42	39	31	2504

DEATHS.

The number of deaths registered in the City during the year 1948 was 3,191. This gives a death rate of 11.5 per 1,000 of the population. Of the total deaths, 1,507 occurred in public institutions in the district. If the deaths of non-residents which occurred in the district be excluded and the deaths of residents which occurred beyond the district be included the nett deaths belonging to the district is 2,946 (1,543 males and 1,403 females), and the death rate 10.7 per 1,000.

The death rate for the 126 large towns of England and Wales was 11.6 per 1,000 and for the whole of England and Wales, 10.8.

The death rate of 10.7 per 1,000 was 1.4 lower than that of 1947.

The death rate for the 126 large towns of England and Wales was 1.4 lower in 1948 than in 1947.

PRINCIPAL CAUSES OF DEATH.

	1948	1947
Tubercular Diseases	166	166
Congenital Debility and Malformation, including Premature Birth	126	157
Bronchitis	70	82
Pneumonia	142	187
Organic Heart Disease	896	910
Cancer	503	477
Violence	131	139
Nephritis and Bright's Disease	83	104
Influenza	9	18

DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.

						1948	1947
Smallpox	..	..	..	..	..	0	0
Enteric	..	..	..	..	..	0	0
Diphtheria		..	..	..	..	0	0
Scarlet Fever		..	..	..	..	0	0
Whooping Cough		..	..	..	..	11	9
Measles	..	..	..	..	..	5	13
Diarrhoea and Enteritis			..	..	..	38	96

TABLE 6.—Causes of, and Ages at Death during the year 1947.

Causes of Death	Tunstall	Burslem	Hanley	Stoke	Fenton	Longton	Smallthorne, Norton, Bucknall etc. (Wards 27 & 28)	Net Deaths at the subjoined Ages of "Residents" whether occurring within or without the District									Total Deaths whether 'Residents' or 'Non- Residents' in Insti- tutions in district
								All Ages	Under 1 year	1 and under 2	2 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards	
All Causes { Certified .. Uncertified ..	294 —	435 —	624 —	482 —	248 —	522 —	341 —	2946 —	227 —	26 —	21 —	26 —	54 —	240 —	814 —	1538 —	1507 —
Typhoid & Paratyphoid Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebro-Spinal Fever	—	1	1	—	1	—	1	4	—	1	1	—	—	2	—	—	4
Scarlet Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Whooping Cough	—	—	3	1	1	5	1	11	5	5	1	—	—	—	—	—	9
Diphtheria	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
Tuberculosis of Respira- tory System	16	24	29	22	10	28	21	150	1	1	2	—	17	42	68	19	69
Other Tuberculosis Diseases	1	4	4	1	1	3	2	16	1	3	3	2	1	4	2	—	15
Syphilitic Diseases	—	4	5	7	2	1	3	22	—	—	—	—	—	3	11	8	9
Influenza	—	2	3	2	—	1	1	9	—	—	—	—	—	—	2	7	—
Measles	1	—	2	—	—	—	2	5	2	1	1	1	—	—	—	—	1
Acute Poliomyelitis and Polioencephalitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Acute Infectious Encephalitis	1	—	—	—	—	—	—	1	—	—	—	—	—	—	—	1	1
M. Cancer of buccal cavity and Oesophagus (Males only)	2	3	2	3	—	3	1	14	—	—	—	—	—	1	2	11	7
F. Cancer of Uterus	4	5	4	8	1	11	2	35	—	—	—	—	—	3	18	14	10
Cancer of Stomach	8	14	29	14	11	13	15	104	—	—	—	—	—	—	43	61	53
Cancer of Breast	8	5	11	10	3	8	3	48	—	—	—	—	—	7	24	17	23
Cancer of all other sites	26	40	62	56	35	51	33	302	—	—	1	—	2	22	132	145	188
Diabetes	—	2	—	2	—	2	2	8	—	—	—	—	—	2	3	3	7
Intra-cranial Vascular Lesions	22	34	48	43	20	55	24	246	—	—	—	—	3	8	60	175	117
Heart Disease	90	131	200	154	77	150	94	896	1	—	—	4	11	50	230	600	232
Other Circulatory Diseases	4	14	15	8	5	11	8	65	—	—	—	—	—	2	20	43	29
Bronchitis	11	8	18	6	9	11	7	70	2	—	2	—	—	4	18	44	20
Pneumonia (all forms)	12	27	28	29	7	24	15	142	40	5	1	2	3	9	36	46	90
Other Respiratory Diseases	15	8	9	9	7	12	9	69	—	1	—	—	—	6	30	32	26
Ulceration of the Stomach or duodenum	1	4	6	—	3	3	2	19	—	—	—	—	—	5	8	6	22
Diarrhoea, etc. (under 2 Years)	6	5	8	3	1	11	4	38	37	1	—	—	—	—	—	—	25
Appendicitis	2	4	3	1	—	2	2	14	—	—	2	2	3	2	3	2	15
Other Digestive Diseases	4	8	14	9	4	14	6	59	4	—	—	1	—	10	19	25	70
Nephritis	12	14	20	8	8	11	10	83	—	—	—	—	3	12	19	49	55
Puerperal and Post Abortive Sepsis	—	—	—	—	1	1	—	2	—	—	—	—	—	2	—	—	2
Other Maternal causes	—	—	1	—	—	—	—	1	—	—	—	—	—	1	—	—	6
Premature Birth	9	16	11	8	5	10	15	74	74	—	—	—	—	—	—	—	69
Congenital malformation Birth Injury, Infantile Disease	3	10	11	9	4	7	8	52	51	1	—	—	—	—	—	—	42
Suicide	1	1	10	10	2	5	3	32	—	—	—	1	1	7	15	8	11
Road Traffic Accidents	2	9	8	3	—	5	4	31	—	1	3	7	2	4	5	9	23
Other violent causes	5	5	11	14	9	11	13	68	6	3	2	2	2	13	15	25	58
All other causes	28	33	48	43	21	53	30	256	3	3	2	4	6	19	31	188	198
War Operations	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
.. .. .	294	435	624	482	248	522	341	2946	227	26	21	26	54	240	814	1538	1507

TABLE 7.—Cases of Infectious Diseases notified during the year 1948

Disease	Public Institutions		Total Cases notified in each Locality of the District						Number of Cases Notified At Ages—Years							Total Cases removed to Hospital	
	Tunstall	Burslem	Hanley	Stoke	Fenton	Longton	Smallth'rne Norton, Bucknall, etc.		Under 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	65 and upwards		
							Wards 27 & 28										
Smallpox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cholera	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—
Diphtheria and Membranous Croup	2	3	10	1	6	5	1	2	—	14	7	2	5	—	—	—	28
Erysipelas	9	18	10	6	6	4	2	4	—	—	4	3	17	25	6	—	7
Scarlet Fever	64	125	212	76	36	90	88	—	3	170	453	44	20	3	—	—	263
Typhoid & Paratyphoid Fever	—	—	2	—	—	—	—	—	—	1	—	—	1	—	—	—	2
Puerperal Pyrexia	1	8	9	6	2	6	—	—	—	—	—	13	20	—	—	—	6
Cerebro Spinal Meningitis	2	1	5	1	4	3	1	—	1	3	8	2	2	1	—	—	17
Poliomyelitis	—	1	—	—	—	—	—	—	—	1	—	—	—	—	—	—	1
Encephalitis Lethargica	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pulmonary Tuberculosis	31	36	55	36	18	51	37	—	1	11	16	52	93	77	14	—	—
Other forms of Tuberculosis...	5	8	6	7	4	10	2	—	—	10	19	4	7	2	—	—	—
Ophthalmia Neonatorum	2	7	10	3	2	4	—	—	28	—	—	—	—	—	—	—	—
Pneumonia, Primary	30	36	54	30	28	22	7	—	7	45	26	15	34	54	30	—	1
Pneumonia, Broncho	—	1	13	—	1	4	1	—	4	5	2	—	1	4	4	—	1
Pneumonia, Influenzal	2	3	8	3	—	2	—	—	1	4	1	1	3	3	5	—	—
Malaria	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dysentery	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pemphigus Neonatorum	—	1	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—
Food Poisoning	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles	546	453	874	287	555	522	228	—	185	2120	1118	25	14	2	—	—	4
Whooping Cough	121	172	232	137	110	134	31	—	94	645	197	1	5	3	—	—	4
Polioencephalitis	—	—	—	—	1	—	—	—	—	1	—	—	—	—	—	—	1
TOTALS	12	815	873	1500	595	773	398	5823	325	3030	1852	162	222	174	59	335	

Isolation Hospitals— Name and Situation	Infectious Diseases Hospital, Bucknall			...	Total Available Beds, 195
	Stanfield Sanatorium, Burslem			...	91
	North Staffs. Joint Smallpox Hospital			...	90
	(At present being used for the accommodation of 50 children suffering from Tuberculosis)			...	

INFECTIOUS DISEASES.

Scarlet Fever.

Number of cases notified	..	..	..	693
Number of cases removed to hospitals	..			263
Percentage of cases removed	..	..		38.0
Number of cases in which diagnosis was confirmed	..	..	..	683
Number of deaths	..	..	..	0
Case fatality per cent.	..	..	..	0.0

The attack rate for the City during the year was 2.53 per 1,000 of the population.

The mortality rate in the district during 1948 was 0.0.

Diphtheria.

Number of cases notified	..	..	..	28
Number of cases removed to hospitals	..			28
Percentage of cases removed	..	..		100
Number of cases in which diagnosis was confirmed	..	..	..	0
Number of deaths	..	..	..	0
Case fatality per cent.	..	..	..	0.0

The attack rate for the City was 0.106 per 1,000 of the population.

The death rate from Diphtheria in the City was 0.0 compared to 0.0 in the 126 large towns, and 0.0 in England and Wales.

Typhoid and Para Typhoid Fever.

Number of cases notified	..	..	..	2
Number of cases removed to hospital	..			2
Percentage of cases removed	..	..		100
Number of cases in which diagnosis was confirmed	..	..	..	2
Number of deaths	..	..	..	0
Case fatality per cent.	..	..	..	0.0

Arrangements have been made for the inoculation against Enteric Fever, free of charge.

Smallpox.

During the year no cases of Smallpox occurred.

Erysipelas.

There were 55 cases notified during the year and in all but three cases the diagnosis was confirmed and there was one death. In 1947 63 cases were notified with one death.

Cerebro-Spinal Fever.

Seventeen cases were notified as Cerebro Spinal Fever during the year and eleven confirmed bacteriologically. There were four deaths.

Acute Encephalitis Lethargica and Acute Polio-Encephalitis.

There was one case of Acute Polio-Encephalitis notified during the year.

Acute Anterior Poliomyelitis.

There was one case notified during the year, which was confirmed. There was one death.

Malaria and Dysentery.

There was no case of Dysentery notified during the year.

There was no case of malaria notified during the year.

Influenza, Pneumonia and Broncho Pneumonia.

The number of cases notified during the year was :— Influenzal Pneumonia, 18 and Pneumonia and Broncho Pneumonia, 231. The number of deaths was :—Influenza, 9, being equal to a rate of 0.033 per 1,000 of the population ; and Pneumonia and Broncho Pneumonia, 142 being equal to a rate of 0.519 per 1,000 of the population.

These diseases were less prevalent than in 1947.

SCHOOLS.

The Medical Officer of Health is the School Medical Officer.

No school was closed on account of infectious diseases.

CITY INFECTIOUS DISEASES HOSPITAL, BUCKNALL.

On July 5th, 1948, the above Hospital was transferred to the Hospital Management Committee, the following is a report of the cases admitted up to that date :—

Table of Diseases						Cases	Deaths
Scarlet Fever	..	..	..	..	..	195	—
Diphtheria	..	..	..	..	..	18	1
Enteric Fever	..	..	..	..	..	—	—
Puerperal Pyrexia		..	..	..	..	3	—
Erysipelas	..	..	..	..	..	6	—
Measles	..	..	..	..	..	24	1
Chicken Pox	..	..	..	..	..	21	—
Whooping Cough		..	..	..	..	15	3
Meningitis	..	..	..	..	..	10	1
Poliomyelitis	..	..	..	..	..	4	—
Mumps	..	..	..	..	..	9	—
Rubella	..	..	..	..	..	1	—
Acute Gastro Enteritis			..	..	..	13	4
Ringworm	..	..	..	..	..	4	—
Sick Staff	..	..	..	..	..	2	—
						—	—
						325	10
						—	—

Diphtheria.

During the period 18 cases were notified as Diphtheria, but in none of them was the diagnosis confirmed. One death occurred from another disease in this series of cases.

Meningitis.

10 cases of suspected Cerebro-Spinal Fever were notified. Of these 6 cases were confirmed, and there was one death.

Acute Gastro Enteritis.

In March, 1948, arrangements were made for the admission of cases of Acute Gastro Enteritis, especially in infants. Up to the end of June 13 cases had been admitted, of whom 4 died.

HOSPITAL LABORATORY WORK, 1948.

			Positive	Negative	Total
Diphtheria	Throat	...	—	55	55
New Cases	Nose	...	—	11	11
Scarlet Fever	Throat	...	—	293	293
New Cases	Nose	...	—	293	293
Convalescents	Throat	...	—	296	296
	Nose		—	294	294
Enteric Specimens	...	...	—	—	78
Other Specimens	...	...	—	—	41
Total					1361

TOWN LABORATORY WORK, 1948.

			Positive	Negative	Total
Sputum for T.B.	...	...	53	335	388
Swabs for Diphtheria	...	...	—	210	210
Smears for Gonococci	...	...	—	51	51
Enteric Specimens	...	...	—	—	67
Other Specimens	...	...	—	—	8
Total					724

Diphtheria Immunisation.

There were 4,790 children immunised at the school clinics, the special sessions held at the Infant Welfare Centres and the weekly clinics at Richmond Lodge Welfare Centre, held each Monday afternoon. 4,217 of those immunised were under school age, and 1,987 children were given a secondary or reinforcing injection.

Number of Children at 31st December, 1948, who had completed a course of Immunisation at any time before that date, i.e., at any time since January 1st, 1934.

Age at 31-12-48 i.e. born in year	Under 1 1948	1 1947	2 1946	3 1945	4 1944	5-9 1939-43	10-14 1934-38	Total Under 15
Number Immunised ..	163	3036	3233	3247	4271	14591	13438	42009
Estimated mid-year child population ..	Children under five 25340					Children 5-14 39019		

Whooping Cough Immunisation.

In December, the Ministry of Health approved a modification of the Vaccination and Immunisation scheme under Section 26 of the National Health Service Act, 1946, to provide facilities for inoculation against whooping cough and combined immunisation against diphtheria and whooping cough. Supplies of the Combined Prophalactic and Whooping Cough Vaccine were obtained for use at the Infant Welfare and School Clinics and by the General Practitioners.

Respiratory Diseases.

During the year there were 281 deaths from Respiratory Diseases, giving a death rate of 1.027 per 1,000 of the population, as compared with 1.32 for the year 1947.

The distribution of these deaths is shewn below :—

No. of deaths from Bronchitis	70
No. of deaths from Pneumonia	142
No. of deaths from Fibroid Phthisis	1
No. of deaths from Pleurisy	4
No. of deaths from Silicosis	25
No. of deaths from other Respiratory Diseases ..	39
TOTAL	281

Lead Poisoning.

This is an affection which is associated with pottery manufacture. Through careful supervision, and under the Special Rules of the Home Office, lead poisoning has diminished. According to the Report of the Departmental Committee there were engaged in 1907 as lead workers under the Earthenware and China Rules in North Staffordshire, 5,299 persons (3,371 males and 1,928 females). In 1939 there were 5 cases of lead poisoning, in 1940, 4 cases, in 1941, 5 cases, in 1942, 8 cases, in 1943, 2 cases, in 1944, no cases, in 1945, no cases, in 1946, no cases, in 1947 there were no cases, and in 1948 there was one case. In 1939 there were no deaths attributed to lead poisoning, in 1940 two, in 1941 three, in 1942 four, in 1943 one, in 1944 none, in 1945 none, in 1946 none, in 1947 there were no deaths, and in 1948 there was one death.

Cancer.

The total number of deaths from cancer was 503, an increase of 26 from the previous year. This is equal to a death rate of 1.839 and in England and Wales the rate was 1.858.

Tuberculosis.

No persons have been compulsorily removed to Hospital under either the Public Health Acts, 1925, and no action has been taken under the Public Health (Prevention of Tuberculosis) Regulations, 1925, with reference to Dairy workers.

Pulmonary Tuberculosis.

Two hundred and sixty four cases were notified in accordance with the provisions of the Public Health (Tuberculosis) Regulations.

Out of the 150 deaths from Pulmonary Tuberculosis during the year, 30 had not been notified, a percentage of 20.0. There were 16 deaths from other forms of Tuberculosis, and 11 of these had not been notified, a percentage of 68.9 which is much too high a figure and it is hoped that it will be considerably reduced by more careful attention to notification.

The 150 deaths is equal to a death rate of 0.548 per 1,000 ; in 1947 there were 144 deaths and a death rate of 0.533 per 1,000. In England and Wales, in 1948, the death rate was 0.440 per 1,000 (Males 0.555, Females 0.335).

There were 16 deaths in the year from forms of tuberculosis other than Pulmonary, equal to a rate of 0.058 per 1,000 of the population. In 1948 the rate for England and Wales was 0.067 (Males 0.072 ; Females 0.062).

The total death rate from all forms of tuberculosis was 0.606 per 1,000. In 1948 the rate for England and Wales was 0.507 per 1,000 of the population.

Other Forms of Tuberculosis.

There were 42 cases notified of other forms of Tuberculosis, and 16 deaths, giving a rate of 0.058 per 1,000 of the population. Of these deaths, six occurred among children between the ages of one year and five years. Of the 16 deaths, 11 had not previously been notified. There were 6 deaths from Tubercular Meningitis.

Table shewing the number of cases notified as suffering from other forms of Tuberculosis during 1948.

	Under 1	1—5	5—15	15—25	25—45	45—65	Over 65	Totals
Tubercular Meningitis...	—	1	—	—	—	—	—	1
Glands	—	4	9	2	2	—	—	17
Osseous	—	4	7	1	2	1	—	15
Skin	—	—	—	—	—	—	—	—
General	—	—	—	—	—	—	—	—
Intestines & Peritoneum	—	1	3	1	1	1	—	7
Other Forms	—	—	—	—	2	—	—	2
Totals	—	10	19	4	7	2	—	42

Of the 42 cases of other forms of Tuberculosis notified 17 were Tubercular Glands, compared with 16 in the previous year.

The work of the Tuberculosis Department is now carried out under the Hospital Management Committee from the Central Dispensary at Shelton, which provided facilities for the early diagnosis, treatment, and supervision of cases of Pulmonary Tuberculosis.

The following table is compiled from the Ministry of Health Returns (37 T. Rev.)

**Return relating to the work of the Tuberculosis Dispensary
during the year ending 31st December, 1948.**

Diagnosis	Pulmonary				Non-Pulmonary				Total				Grand Total
	Adults		Children		Adults		Children		Adults		Children		
	M	F	M	F	M	F	M	F	M	F	M	F	
A.—(1) Number of definite cases of Tuberculosis on the Dispensary Register on 1st January, 1948	749	598	93	87	70	108	79	75	819	706	172	162	1859
(2) Transfers from other Authorities during the year ...	6	9	—	1	—	1	—	1	6	10	—	2	18
B.—Number of new cases diagnosed as Tuberculosis during the year :—													
(1) Class T.B. minus ...	70	49	8	14	5	6	12	14	123	88	20	28	259
(2) Class T.B. plus	48	33	—	—	—	—	—	—	—	—	—	—	
C.—Number of cases included in A and B written off the Dispensary Register during the year as :													
(1) Recovered ...	10	15	4	2	—	4	—	1					
(2) Dead (all causes) ...	65	46	—	—	—	—	1	—					
(3) Removed to other Areas	16	10	1	1	—	—	—	1	101	78	9	9	197
(4) For other reasons ...	10	3	3	4	—	—	1	—					
D.—Number of definite cases of Tuberculosis on the Dispensary Register on 31st December, 1947	772	615	93	95	75	111	90	88	847	726	183	183	1939

The following table gives a detailed report and comparison of the work carried out at the Dispensary during the years 1944-1948 :—

	1944	1945	1946	1947	1948
New cases examined (excluding contacts) ..	2,058	2,154	2,259	2,364	2,840
New contacts examined ..	369	403	410	336	504
Patients' attendances ..	11,154	11,810	13,122	13,331	16,119
X-ray examinations made in connection with Dispensary work ..	7,501	9,403	10,383	11,855	13,368
Sputum examinations made in connection with Dispensary work ..	4,238	3,745	4,270	4,512	4,785
Artificial pneumothorax refills given at the Dispensary	2,517	3,061	3,544	3,605	4,463
Examinations of persons referred by Medical Boards under the N.S. (Armed Forces) Act, 1939	182	130	59	42	43
Visits by tuberculosis health visitors to patients' homes ..	4,851	3,507	4,904	3,859	4,359

The number of T.B. plus cases on the Dispensary Register on 31st December, 1948, was 672.

There are 91 beds available at Stanfield Sanatorium and 56 at Cheshire Joint Sanatorium for adult male and female patients, whilst 50 beds are available to Bagnall Sanatorium for children.

Admissions to Bagnall, Stanfield and Cheshire Joint Sanatoria (excluding observation cases) have been as follows :—

	Stanfield	Cheshire Joint	Bagnall
Males	56	56	—
Females ..	58	45	—
Children ..	1	0	25
TOTAL ..	<u>115</u>	<u>101</u>	<u>25</u>

The conditions of patients on discharge has been as follows :—

		Stanfield	Cheshire Joint	Bagnall
Improved	..	56	56	26
Stationary	..	40	23	3
Worse	.. ..	4	8	—
Deaths	.. ..	10	0	—
		<hr/>	<hr/>	<hr/>
TOTAL	..	110	87	29
		<hr/>	<hr/>	<hr/>

Included in the admissions to Stanfield Sanatorium is 1 Service case which was transferred from hospital for examination by a medical board and discharged from the Service.

At the beginning of the year, there were 31 observation cases in the three Sanatoria, and 83 cases were admitted for observation during the year. The number of observation cases discharged was 91, the diagnosis on discharge being : “tuberculous,” 3 ; “non-tuberculous,” 59 ; and “doubtful,” 29. At the end of the year, there were 21 undiagnosed cases in the Sanatoria.

The following table refers to work carried out at Stanfield Sanatorium during the years 1944-1948 :—

	1944	1945	1946	1947	1948
Artificial pneumothorax inductions	17	23	23	10	14
Artificial pneumothorax refills ..	424	753	768	749	676
X-ray examinations	424	923	789	869	1,027
Tuberculin treatment	809	389	302	342	30
Erythrocytes Sedimentation Rate ..	—	306	248	420	356

Surgical Tuberculosis.

Dr. D. Wainwright reports as follows :—

“During the year 1948, 304 cases of Surgical Tuberculosis in children of the City of Stoke-on-Trent, were under treatment at the Orthopaedic Hospital, Hartshill.

Twenty-three of these cases were treated as in-patients for a longer or shorter period according to their necessities. Twenty-one have been discharged as cured or improved, and one has died.

CLASSIFICATION OF CASES.

Spines	..	..	..	..	..	..	104
Hips	..	..	..	..	..	..	88
Knees	..	..	..	..	..	..	52
Ankles	..	..	..	..	..	..	37
Elbows	..	..	..	..	..	..	10
Fingers and Wrists			..	..	..	..	8
Shoulder	..	..	..	..	..	..	5
TOTAL							304

During the year 1948, 11 cases of Surgical Tuberculosis in adults were treated as in-patients.

CLASSIFICATION.

Spine	..	..	..	..	..	..	5
Hip	..	..	..	..	..	..	1
Knee	..	..	..	..	..	..	5
Ankle	..	..	..	..	..	..	—
Shoulder	..	..	..	..	..	..	—
Elbow	..	..	..	..	..	..	—
TOTAL							11

Nine have been discharged, cured or improved.”

VENEREAL DISEASES.

The following summarises the data of general interest in relation to the work of the Clinic during this period :—

					1948		1947
Number of new cases attending	..	..	..	747	..	847
Total number of cases attending	..	..	..	1,300	..	1,468
Total attendances	..	..	..	6,830	..	9,156
Number of attendances for individual attention of Medical Officer	..	..	..	6,224	..	7,774
Number of attendances for intermediate treatment				606	..	1,382	
Average number of attendances per head	..	..	5.25	..	6.3	
Number of cases discharged as cured	..	..	750	..	734	

NEW CASES.

Year	Syphilis	Gon- orrhoea	Non-ven- ereal	Percent- age non- venereal	Total
1939	54	220	281	51%	555
1940	37	161	205	51%	403
1941	16	137	175	53%	328
1942	33	130	231	58%	394
1943	47	162	361	63%	570
1944	65	122	404	68%	591
1945	50	194	447	65%	691
1946	106	333	794	64%	1233
1947	62	183	602	71%	847
1948	58	136	553	74%	747

NEW CASES OF EARLY SYPHILIS.

Year	Male	Female	Total
1939	5	3	8
1940	8	9	17
1941	4	5	9
1942	6	9	15
1943	18	9	27
1944	28	28	56
1945	18	15	33
1946	24	16	40
1947	12	16	28
1948	1	4	5

The following is a return as to the work carried out at the Out-Patient Clinic at the North Staffs. Royal Infirmary :—

(1) Total number of persons dealt with and suffering from :—

	Number of persons dealt with during the year for the first time
(a) Syphilis	84
(b) Soft Chancre	2
(c) Gonorrhoea	52
(d) Conditions other than Venereal	266
Total	405

(2) Total attendances of all patients : City, 3,979 ; Staffs. County, 4,863 ; and outside the district other than the County, 308.

VACCINATION.

Vaccination against Smallpox ceased to be compulsory throughout the country on July 5th, 1948, and the appointment of Public Vaccinators was discontinued from that date.

Statements of Vaccination, January 1st to July 5th.

(Furnished by the Vaccination Officer).

Births	..	..	..	..	..	..	..	3,074
Successfully vaccinated	..	..	..	..	..	..	..	311
Insusceptible	..	..	..	..	..	..	..	1
Had Smallpox	..	..	..	..	..	..	..	0
Died unvaccinated	..	..	..	..	..	..	..	66
Postponed by Medical Authority	..	..	..	..	..	..	..	0
Certificates of Exemption (Conscientious objection)	..	..	..	..	..	..	..	694
Removals certified	..	..	..	..	..	..	..	228
Removals not found and not accounted for	..	..	..	..	..	..	..	63
Not dealt with for various reasons	..	..	..	..	..	..	..	1,711

No re-vaccinations have been performed by the Medical Officer of Health under the Public Health (Smallpox Prevention) Regulations, 1917, amongst contacts where immediate vaccination was not otherwise possible.

On July 5th, Vaccination became the duty of the Local Authority under Section 26, National Health Services Act, 1946, and the following is a list of these carried out by General Practitioners :—

Number of Person Vaccination (or re-vaccination), July 5th to December 31st.

				Number Vaccinated	Number Re-vaccinated
Age at 31st December, 1948 :—					
Under one, 1948	..	..	..	366	—
One to four, 1944-47	..	..	..	14	—
Five to Fourteen, 1934-43	..	..	..	6	4
Fifteen or over, before 1934	..	..	..	19	36
TOTAL				405	40

MENTAL HEALTH

(1) **Administration.**

- (a) Constitution and meetings of Mental Health Sub-Committee.
A Sub-Committee known as the Mental Health Sub-Committee is responsible for the administration. This is a Sub-Committee of the Health Committee of the City Council. It consists of ten members and as far as possible meets monthly.
- (b) Medical Officer of Health.
One Senior Authorised Officer and two Assistant Authorised Officers (all experienced Officers).
One Occupation Centre Supervisor—Diploma of Associate of Music and Art Teaching, Trinity College of Music.
Two Assistant Supervisors.
- (c) Co-ordination with Hospital Management Committee.
The part-time services of a Mental Health Visitor from Stallington Hall, Blythe Bridge, used in connection with supervision of patients on trial and on licence.
One full-time Mental Health Visitor, fully qualified R.M.P.A., R.N.M.I., and deals with notification from the Local Education Authority and after-care cases.
- (d) No duties are delegated to Voluntary Associations.
- (e) Lectures are now in operation in connection with training of Mental Health Workers.

(2) **Account of Work undertaken in the Community.**

112 cases since the commencement of the Act have been dealt with under Section 28 of the National Health Service Act, prevention care and after-care.

Under the Lunacy and Mental Treatment Acts, 1890-1930.

Duly Authorised Officers have ascertained 605 cases and 412 have been dealt with.

Mental Deficiency Acts, 1913-1938.

120 cases have been ascertained, and the number of defectives awaiting vacancies at the end of the year was 90.

Two cases are under guardianship and supervision.

Training.

The City has an Occupation Centre in Fenton, to which cases are admitted. This centre at the present time has 40 pupils. There are also 32 pupils attending the Milehouse Occupation Centre, Newcastle, Staffs. This centre is under the control of the Staffs. County Council. This authority has now made a request for these cases to be removed to make room for their own cases. The Mental Health Sub-Committee is now considering the question of providing another centre in the Northern end of the City.

There is no home training.

MATERNITY AND CHILD WELFARE.

Midwives' Act, 1936.

The following is a summary of the work carried on under the Midwives' Act.

At the end of the year there were 39 midwives employed by the authority. Fifteen midwives continue in independent practice.

During the year, the midwives employed by the Council attended a total of 2,923 cases ; of these, 299 were attended as maternity nurses. In 1947 the total number of cases attended was 3,431.

The midwives in independent practice attended a total of 292 cases as midwives, and 120 as maternity nurses. The remaining midwife who was attached to a Voluntary Association prior to July 5th attended four cases as a midwife, and one as a maternity nurse.

The Supervisor of Midwives was off duty all year, and an Assistant Supervisor took up duty on September 1st. 144 routine inspections of midwives bags and equipment were carried out during the year.

No midwife has been reported to the C.M.B. during the year for any breach of rules.

During the year 1948 there were received from Midwives :—

- 1,427 Records for calling in Medical Aid.
- 18 Notifications of death of new-born child.
- Notification of death of the mother
- 241 Notifications re Failure to Breast-feed

The 1,427 records for calling in Medical Aid were divided as follows :

- 223 for abnormality or complication during pregnancy.
- 855 for abnormality or complication during labour.
- 143 for abnormality or complication during lying-in period.
- 206 for abnormality or complication in case of the child.

It is interesting to note that although there were 590 fewer births attended by midwives there is an increase in notifications of failure to breast feed from 208 last year to 241 this year.

Under the Midwives' Act, 1918, claims were made by doctors for the payment of fees in 887 cases, out of 1,427 instances in which medical aid was called. The 887 claims amounted to £2,380 10s. 6d., compared with £1,888 1s. od. in the year 1947.

The increase in the cost is due to an increase in the scale of fees.

Infantile Mortality.

The total number of deaths of infants under the age of one year was 227 being equal to an infantile mortality rate of 42 per 1,000 births. In 1947 the rate was 61.

Of the 227 infants who died in the City before reaching the age of 12 months, 122 or 53.7 per cent. occurred in children under one month old, compared to 36.8 per cent in 1947.

TABLE 8.—Infantile Mortality occurring in the City and Six Districts 1948.

Causes of Death	Total under 4 weeks										Total Deaths under 1 year					
	Under 1 week	1 to 2 weeks	2 to 3 weeks	3 to 4 weeks	4 weeks and under 3 months	3 months and under 6 months	6 months and under 9 months	9 months and under 12 months	Tunstall	Burslem	Hanley	Stoke	Fenton	Longton	Smallthorne, Norton, Bucknall, etc.	Total Deaths under 1 year
All causes { Certified ... Uncertified	98	16	3	5	122	37	19	12	23	40	42	32	11	43	36	227
Smallpox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chicken-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles ...	...	...	...	...	...	...	...	2	...	...	1	...	...	...	1	2
Scarlet Fever ...	...	...	...	...	...	...	...	1	...	...	1	...	1	3	...	5
Whooping-Cough ...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...
Diphtheria and Croup ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculous Meningitis ...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	1
Abdominal Tuberculosis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Tuberculous Diseases ...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	1
Meningitis (<i>not Tuberculous</i>) ...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	1
Convulsions ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Laryngitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bronchitis ...	...	...	1	...	...	...	1	...	...	...	...	1	...	1	...	2
Pneumonia (all forms) ...	3	3	...	...	7	11	6	4	5	8	6	9	1	7	4	40
Diarrhoea ...	...	...	...	...	...	14	...	3	5	5	8	3	1	11	4	37
Enteritis ...	...	1	1	...	11	...	...	...	...	...	...	...	...	...	...	...
Gastritis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Syphilis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rickets ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Suffocation (overlying) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Injury at Birth ...	6	1	1	...	1	...	...	...	2	...	2	...	2	1	2	9
Atelectasis ...	5	...	...	...	...	...	...	...	...	3	1	...	...	1	...	5
Congenital Malformations ...	...	4	...	...	8	...	2	...	1	6	6	7	...	2	4	26
Premature Birth ...	67	5	...	2	74	3	...	...	9	16	11	8	5	10	15	74
Atrophy, Debility and Marasmus ...	...	...	...	1	1	3	...	...	...	1	1	...	1	1	1	5
Influenza ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pemphigus Neonatorum ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other causes peculiar to early infancy	6	2	...	...	8	...	...	...	...	...	1	2	...	3	...	8
Other causes ...	2	2	...	...	2	2	3	1	1	2	3	...	...	3	3	11
TOTALS	98	16	3	5	122	37	19	12	23	40	42	32	11	43	51	227

Nett Births in the year:—Legitimate, 5190; Illegitimate, 270. Nett Deaths in the year:—Legitimate, 215; Illegitimate, 12.

Deaths under one year per 1,000 Births in the City.

Year	Total Births	From all causes	From Gastro Enteritis	From Respiratory Disease	From Congenital Defects	Premature Births.	From Measles	From Whooping Cough
1944	5354	51	7.1	8.8	13.6	15.3	0.37	0.19
1945	4965	50	6.0	7.8	15.5	12.3	0.8	1.6
1946	5874	55	8.8	11.7	13.6	15.8	0.0	0.5
1947	6360	61	14.3	12.4	12.3	11.8	1.1	0.94
1948	5460	42	6.8	7.7	9.3	13.6	0.37	0.92

Average rate for the five years (1944-48), 52.

The infantile mortality rate in the 126 large towns in 1948 was 39.

Notification of Births Act.

Of the 5,422 births notified in the City of Stoke-on-Trent during 1948, 2,900 were attended by midwives, 440 by doctors and 2,082 occurred in institutions. The percentage of births occurring outside Institutions attended by midwives was 53.

Summary of Visits paid by the Nursing Superintendents, Health Visitors and other Nursing Personnel.

First Visits to infants under 1 year of age	..	..	5,178
Re-visits—Under 1 year	..	..	16,201
Over 1 year	..	..	15,471
			31,672
First Visits to Expectant Mothers	..	..	72
Re-visits to Expectant Mothers	..	..	12
Visits to Ophthalmia Cases	..	..	26
Visits to Midwives	..	..	144
Visits in connection with still-births and infant deaths			379
Visits in connection with infant life protection	..		87
Other visits	..	..	1,139
Wasted Visits	..	..	5,756
		TOTAL	44,465

INFANTILE MORTALITY.

INFANTILE MORTALITY RATE AMONGST ILLEGITIMATE AND
LEGITIMATE CHILDREN OF STOKE-ON-TRENT DURING THE
PAST 5 YEARS.

		Illegitimate		Legitimate		Whole
1944	..	33	..	52	..	51
1945	..	58	..	49	....	50
1946	..	77	..	54	..	55
1947	..	56	..	62	..	61
1948	..	44	..	41	..	42

There are 17 Infant Welfare Centres in the City, all directly under the Council

Ante-natal Clinics with doctors in attendance are now held at fifteen centres.

A. Total number of attendances at all Centres during the year :—

	1948	1947
(1) by children under one year of age	22,517	22,922
(2) by children between the ages of 1 and 5 years	4,796	3,044

B. Total number of children who attended at the Centres for the first time during the year, and who on the date of the first attendance were :—

(1) under one year of age	2,2827
(2) between the ages of 1 and 5 years	247

HEALTH VISITING.

Number of visits paid during the year by all Health Visitors :—

(1) to expectant mothers	First Visits ..	72
	Total Visits ..	84
(2) to children under 1 year of age	First Visits ..	5,178
	Total Visits ..	21,379
(3) to children between the ages of 1 and 5 years	Total Visits ..	15,471

ANTE-NATAL CLINICS.

During the year, 2,659 expectant mothers attended the Municipal Ante-natal Clinics.

The attendances for the year amounted to 7,118 at the Ante-natal Centres. In addition, 84 visits were paid by the Health Visitors to the homes of the expectant mothers who attended at the Municipal Ante-natal Clinics.

There are twenty-two Ante-natal Clinics where Municipal Midwives are in attendance and the following are the number of attendances by expectant mothers at such clinics :—

No. of first attendances	3,067
No. of subsequent attendances ..	16,077

It has been possible to arrange for blood examinations for the Rhesus factor at Clinics held on the first three days of the week. When the Blood Transfusion Service at Birmingham can cope with more work, we hope to do the test as a routine at all Ante-natal Clinics.

Dental Treatment.

The undermentioned treatment has been carried out by School Dental Surgeons during the year :—

EXPECTANT MOTHERS—

Examined	67
Needing treatment	67
Treated	67
Made dentally fit	67

CHILDREN UNDER 5 YEARS OF AGE—

Examined	67
Needing treatment	67
Treated	67
Made dentally fit	67

Children Act.

Infant Life Protection.

The following returns give a summary of the number of children, etc., under the care of the Local Authority during the year :—

I. NOTIFICATIONS.

(i) Number of foster-parents on the Register :—

(a) at the begining of the year	12
(b) at the end of the year	10

(ii) Number of children on the Register :—

(a)	at the begining of the year	..	..	12
(b)	at the end of the year	..	..	10
(c)	who died during the year	..	..	—
(d)	on whom inquests were held during the year	..	..	—

(iii) Number of Life Protection Visitors at the end of the year who are :—

(a)	Health Visitors	..	..	17
(b)	Female, other than Health Visitors	..	—	
(c)	Male	..	..	—

(iv) Number of persons (in addition to or in lieu of Visitors under (c) above) or societies authorised to visit under the proviso to Section 2 (2) of the Act of 1908—three Medical Officers.

No proceedings were taken under any Section of the Act during the year.

Adoption of Children (Regulation) Act, 1939.

(a)	Number of persons who gave notice under Section 7 (3) during the year	..	..	..	..	21
(b)	Total number of children adopted under the Section during the year	..	..	..	..	21
(c)	Number of such children :—					
	(i) under supervision at the end of the year	..	..	3		
	(ii) who died during the year	..	..	—
	(iii) on whom inquests were held during the year	..	—			
(d)	Particulars of any proceedings taken during the year	..	—			

Maternal Mortality.

Three women died in, or in consequence of, childbirth, during the year. The deaths were classified as follows :—

From Sepsis	..	..	2
From other Peural causes	..	1	

Two of the cases died in Institutions.

				Puerperal Sepsis	Other Puerperal Causes	Total Puerperal Mortality
1948						
Per 1,000 Total Births	...	...		0.36	0.18	0.54
England and Wales	...	...		0.24	0.78	1.02
1947						
Per 1,000 Total Births	...	...		0.00	1.53	1.53
England and Wales	...	...		0.26	0.91	1.17

Infectious Diseases.

Disease	Number of cases notified during the year	Number of cases visited by officers of the Council	Number of cases for whom home nursing was provided by the Council	Number of cases removed to hospitals
(1) Ophthalmia Neonatorum	28	28	22	—
(2) Pemphigus Neonatorum	2	—	—	—
(3) Puerperal pyrexia	33	15	1	5

NURSERIES.

Six Day Nurseries continue to be run in the City. All of them are filled to capacity and there is a waiting list at all.

An effort is made to deal with hardship cases where the mother may be the sole wage earner, and as far as possible, priority is given to women in the pottery industry.

Students are trained in association with students in Nursery Schools and Classes for the Nursery Nurses Diploma. Fifteen of our Day Nursery students obtained their Diploma at the examination held in December. Opportunities for girls with the Diploma are very good and open up fields of employment in more places than Nurseries.

Ophthalmia Neonatorum.

The total number of cases notified by medical men in 1948 was 28, as compared with 32 in 1947.

Ophthalmia Neonatorum has been compulsorily notifiable throughout the whole area since 1911.

Nurses were supplied by the Corporation in 20 cases.

Cases of Ophthalmia Neonatorum			Vision unimpaired	Vision impaired	Total Blindness	Deaths
Notified	Treated					
	At home	In hospital				
28	28	—	28	—	—	—

Day and night nurses are supplied in all cases where necessary. Arrangements also exist for a specialist to consult with the medical attendants free of charge.

ILLEGITIMATE BIRTHS.

Report of 270 cases born in the City :—

92 Births occurred in Hospital.

25 mothers were under 20 years of age, but none were under 16 years of age.

120 were first births.

12 infants were premature.

The follow-up of these infants give these figures :—

Adopted	..	..	16
Died	..	..	11

The Health Committee has an arrangements with the Lichfield Diocesan Association to deal with selected cases, and the Diocesan Moral Welfare Officer gave the following report for 1948. "During the year 53 cases have been dealt with, nine expectant mothers went into Diocesan Homes, nine Affiliation Orders were granted and in three cases private agreements were arranged for payments to be made through the worker. Thirty-nine infants remained with their mothers, five were adopted through the Association, and two adopted (directed placing by the mother)."

HOME HELPS.

Requests for the services of the Home Help is steadily increasing. There is no doubt there will be more demands for the service, especially from homes of the elderly and the chronic sick, many of whom are living under adverse conditions.

The social value of this work is high and women suitable and willing to undertake the work, will always be sure of employment.

None of our Home Helps live in and a number can undertake only part-time work.

NUMBER OF HOME HELPS—

Full-time	6
Part-time	10

TYPES OF CASES VISITED—

Tuberculosis of housewife ..	1
Confinements	36
Old Age Pensioners	15
Domestic reasons	26
TOTAL ..	78

STILLBIRTHS.

Number of stillbirths, Males 78, Females 78, Total 156. Place of Birth, Home 76, Hospital 80.

Twenty-one of the still-births occurred in twin pregnancies, and in seventeen of these pregnancies the other twin was alive at birth.

Parity of Mother.

First Birth	70
Second Birth	32
Third Birth	15
Fourth Birth	12
Fifth Birth and over	22
Not known	5

Age of Mother

Under 20 years	6
20-29 years	80
30-39 years	49
40 and over	16
Not known	5

Cases admitted to Hospital as emergencies—

Haemorrhage	6
Toxaemia	8
Other causes	11
	25

Foetal Abnormalities were present in twenty-three infants. There were two maternal deaths, and in twelve instances the mother had given birth to a still-born infant on a previous occasion.

PREMATURE BABIES.

All babies are weighed at birth and records are kept of those weighing $5\frac{1}{2}$ lbs. or under.

Total number born alive, 406. (Males, 199 ; Females, 207).

The premature infants form 7.4% of all live births, an increase of 1.36%.

Premature infants born alive in Hospital .. 247

Premature infants born alive at home .. 159

Ninety-one infants were twin births.

A special baby basket was supplied to thirty-four infants born at home.

Fourteen infants born at home were transferred to hospital.

A Nurse who is both State Registered and a Midwife and who has had special premature baby training, visits the infants. This service is very valuable. It enables the mother to remain in her own home surroundings and breast-feed her infant and have skilled advice on the welfare of the infant.

The following figures are of interest :—

	<i>Weight of Babies at Birth.</i>	<i>Alive at end of one month.</i>
(a) Over 5 lbs. 	189 (46.93%)	179 (90%)
(b) Between 4 and 5 lbs. 	137 (33.66%)	112 (81.6%)
(c) Between 3 and 4 lbs. 	43 (10.39%)	27 (61.9%)
(d) Under 3 lbs. 	37 (9.15%)	3 (8.1%)
	<hr/> 406 <hr/>	<hr/> 321 <hr/>

REVIEW OF PREMATURE BABIES BORN IN 1947.

Known to be alive at end of one year 	272
Died in first month 	80
Died between 1st and 12th month 	28
Not traced 	4
TOTAL ..	<hr/> 384 <hr/>

HOME NURSING.

Section 25, National Health Service Act, 1946.

On 5th July, the Local Authority undertook the direct administration of this service and the nurses employed by the Voluntary Nursing Association of the district came under the jurisdiction of the Public Health Department. A Superintendent with district training was appointed to supervise the work. Under our administration, wider use can be made of the Nursing personnel and the demand for these services shows a steady increase every month.

Many hospital patients, owing to the shortage of bed accommodation, are discharged to their homes, still requiring nursing equipment.

A stock of nursing appliances has been obtained, for which a small charge is made to ensure it being returned when no longer in use.

Number of Nurses		July 5th, 1948		Dec. 31st, 1948	
Full-time Trained Nurses	.. ..	15	.. ..	19	
Full-time Assistant Nurses	.. ..	1	.. ..	1	
Full-time Red Cross	.. ..	1	.. ..	1	
Part-time S.R.N.	.. ..	2	.. ..	2	
Part-time Assistant Nurse	.. ..	1	.. ..	1	

Number of cases under supervision at July 5th, 1948, 296 ; at December 31st, 1948, 463.

Number of visits, July 5th to December 31st, 28,335.

Number of new cases requiring nursing, July 5th to December 31st, 827.

Pemphigus Neonatorum.

One case of Pemphigus Neonatorum was notified during the year.

Measles.

Measles was made compulsorily notifiable in the latter months of 1939, and during 1948 there were 3,465 cases notified.

There were 5 deaths during 1948, compared with 13 in 1947 and none in 1946.

The death rate from Measles in 1948 was 0.018 per 1,000 compared with 0.02 for the 126 large towns and 0.01 for England and Wales.

Whooping Cough.

There were 11 deaths from Whooping Cough during the year, compared with 9 in 1947.

The deaths occurred at the following ages :—

Under 1	1—2	2—5	5—15
5	5	1	0

Leaflets are distributed through the schools when necessary.

This disease was made compulsorily notifiable in the later months of 1939.

AMBULANCE SERVICE.

Under Section 27 of the National Health Services Act, the Local Health Authority became responsible for providing, free of charge, ambulance services for patients requiring it and suffering from all kinds of illness, physical and mental, or injury. The obligation to provide the services rests upon the Local Health Authority in whose area the need arises, irrespective of the distance for which the patient requires ambulance transport.

On July 5th, 1948, the Ambulance Service commenced operations from the Ambulance Station at Boothenwood Old Road, Stoke-on-Trent, and below is a summary of the work carried out from that date until the end of the year.

I. PERSONNEL.

On 5th July, 1948.

Ambulance Officer	..	..	..	..	1
Duty Officers	..	..	..	..	2
Clerk	..	..	..	..	1
Drivers (Male)	..	..	..	..	14
Attendants (Male)	..	..	..	..	6
Attendants (Female)	..	..	..	..	4
Midwives (State Registered)	..	..	..	..	3
TOTAL				..	31

On 31st December, 1948.

Ambulance Officer	..	..	..	..	1
Duty Officers	..	..	..	..	2
Clerk	..	..	..	..	1
Clerk/Telephonist	..	..	..	..	1
Section Leaders	..	..	..	..	3
Drivers (Male)	..	..	..	..	19
Attendants (Male)	..	..	..	..	6
Attendants (Female)	..	..	..	..	3
Midwives (State Registered)	..	..	..	..	2
TOTAL				..	38

2. NUMBER OF VEHICLES.

On 5th July, 1948.

Ambulances	..	..	..	..	..	10
Car (for sitting cases)	..	..	..	..	..	1
TOTAL						11

On 31st December, 1948.

Ambulances	..	..	..	..	..	11
Cars	..	..	..	..	..	3
TOTAL						14

3. Number of calls received for ambulances and ambulance cars, 9,405.

4. Number of patients carried, 9,287.

(a) Monthly Totals.

July	..	..	..	..	..	907
August	..	..	..	..	..	1,217
September	..	..	..	..	..	1,322
October	..	..	..	..	..	1,716
November	..	..	..	..	..	1,955
December	..	..	..	..	..	2,170
TOTAL						9,287

(b) Types of cases carried.

Street accidents	..	..	..	184
Street Illnesses	..	..	..	75
Works Accidents		..	..	51
Works Illnesses	..	..	..	19
Home Accidents		..	..	28
Maternity Cases	..	..	..	388
Attempted Suicides		..	..	22
Other emergency calls	..	..	..	1,655
Other patients carried	..	..	..	6,865
TOTAL				9,287

5. Total mileage covered, 83,975.

Monthly Totals.

July	..	..	..	..	..	9,128
August	..	..	..	..	..	12,222
September	..	..	..	..	..	12,578
October	..	..	..	..	..	16,606
November	..	..	..	..	..	15,829
December	..	..	..	..	..	17,612
TOTAL						83,975

REFUSE COLLECTION AND DISPOSAL.

The total nett cost of refuse and salvage collection and disposal for 1948 was £48,640.

Comparative collection and disposal cost figures for the last five years are :—

Year					Total Nett Cost £
1944	..	..	..	..	28,142
1945	..	..	..	..	33,453
1946	..	..	..	..	41,739
1947	..	..	..	..	46,823
1948	..	..	..	..	48,640

STREET CLEANSING.

Street Cleansing expenditure during the last five years was as follows :—

					Total Nett Cost £
1944 Sweeping and Watering	..	..	..	..	22,928
1945 Sweeping and Watering	..	..	..	..	22,329
1946 Sweeping and Watering	..	..	..	..	27,558
1947 Sweeping and Watering	..	..	..	..	30,458
1948 Sweeping and Watering	..	..	..	..	35,374
1944 Gully Cleansing	..	..	..	..	2,492
1945 Gully Cleansing	..	..	..	..	3,032
1946 Gully Cleansing	..	..	..	..	3,490
1947 Gully Cleansing	..	..	..	..	3,368
1948 Gully Cleansing	..	..	..	..	5,421
1944 Snow Removal	..	..	..	..	182
1945 Snow Removal	..	..	..	..	3,518
1946 Snow Removal	..	..	..	..	664
1947 Snow Removal	..	..	..	..	11,726
1948 Snow Removal	..	..	..	..	1,788

SALVAGE OF WASTE MATERIALS.

During the period January to December, 1948, 4,804 tons of Kitchen Waste were dealt with. After processing, this valuable Pig and Poultry Food realised £16,082.

The total cash value of all the materials salvaged and sold since intensive salvage operations began after the outbreak of war up to 31st December, 1948, is £384,226.

SANITARY CIRCUMSTANCES OF THE CITY.

Chief Sanitary Inspector's Report on

SANITATION, HOUSING AND OVERCROWDING, CONTROL OF CIVIL BUILDING, SMOKE ABATEMENT, FACTORIES, CANAL BOATS, DISINFECTION, DISINFESTATION AND RODENT CONTROL.

Although during the year 1948, there was little improvement in the shortage of staff, better progress was made in getting structural repairs remedied owing to the raising of the Building Licence free limit to £100, and the fact that materials were in better supply. It has been necessary in a number of cases to institute proceedings and also to carry out work through the Public Works Department in default of Statutory Notices served.

Sanitary Inspection of the District.

During the year, 25,487 nuisances were dealt with as compared with 20,492 in 1947 and 37,832 inspections, revisits, etc., were made.

INSPECTIONS—

Infectious Diseases	..	..	..	824
Overcrowding (special enquiries)	..	..	..	35
Drainage	..	..	..	646
Structural Defects	..	..	..	3,514
Other Nuisances	..	..	..	6,431
				<hr/>
Total number of houses inspected	..	..	..	11,450
Total number of houses in which defects were found				9,177
Total number of defects found				25,487

REVISITS AND SPECIAL APPOINTMENTS—

In respect of nuisances	..	..	..	19,131
In respect of Infectious Disease	..	..	..	86
In respect of other causes	..	..	..	5,674
In respect of overcrowding	..	..	..	520
Appointments kept	..	..	..	2,778

COMPLAINTS.

During the year 7,525 complaints were received, of which 900 were unfounded.

883 complaints relating to dangerous structures, street paving, gas and water leakages, and other matters were referred to the Departments concerned.

Table of Sanitary Defects.

<i>Nuisances.</i>	<i>Found</i>	<i>Abated.</i>
Verminous Houses	45	41
Dirty	49	72
Damp and Dilapidations	7,709	6,108
Want of, and Defective Spouting	2,164	1,827
Defective Roofs	1,799	1,763
Defective Plaster	3,771	2,944
Defective Floors	960	765
Fixed Windows	45	47
Badly Lighted	—	1
Water Supply—Defects	95	161
Defective Drainage	198	214
Stopped Drains	591	585
Want of Drainage	27	22
Want of Sink	26	35
Defective Sink or Waste	369	335
Bath, Lavatory and Sink Pipes Untrapped	3	10
Septic Tanks Defective	3	4
Septic Tanks Required	—	—
Privies Defective	2	5
Defective W.W.C.'s	4	4
Defective W.C. Structures	490	452
Defective W.C. Fittings	1,173	1,347
Want of Water Supply to W.C.'s	517	882
No Flushing Apparatus to W.C.'s	14	14
Dirty Closet Apartment and Pans	20	16
Ash Bins, Defective or Want of	4,730	5,874
Defective Yard and Passage Paving	220	161
Unpaved Surfaces	6	5
Accumulations	145	156
Manure Receptacles Defective or Required	1	1
Keeping of Animals, etc.	28	32
Insanitary Wells	—	1
Insanitary and Indecent Urinals	—	1
Tents and Vans Insanitary	2	5
Other Nuisances	278	280
Overcrowding	3	4
TOTAL ..	25,487	24,174

INSPECTION OF DRAINAGE WORK—

New Drains	..	..	..	..	..	40
Revisits while work in progress	..	..		..	..	173
In respect of repairs	..	..	..	..	..	77
Revisits while repairs in progress	..	..		..	..	652
Other visits	..	..	..	..	..	720

DRAIN TESTS MADE FOLLOWING—

				Negative.		Positive.
Complaints	..	..	..	108	..	44
Infectious Diseases	..	..		7	..	—
New Drains	..	..	..	82	..	10
Repaired Drains	..	..		49	..	8
Other Purposes	..	..		11	..	2
				—		—
TOTALS	..			257	..	64
				—		—

Ashbins.

During the year 2,486 Statutory Notices were served on owners requiring them to provide Ashbins, and in addition to this many requests were received from owners for bins.

The total number of bins supplied by the Corporation and charged to the owners during the year, 6,307.

Other Special Inspections.

Purpose				Number of Inspections	Number of Contraventions and Defects Found Abated	
Common Lodging Houses	..	..		52	1	1
Houses Let in Lodgings	..	..		4	—	—
Marine Stores	..	..	..	13	6	3
Theatres, etc.	..	..	..	3	23	10
Schools	..	..	..	5	8	—
Public Conveniences, Baths		..		8	12	4
Common Yards, Courts, etc.		..		16	7	4
Stables	..	..	..	20	1	2
Tips	..	..	..	1	—	—
Marl Pits, Pit Shafts		..	..	31	12	3
Wells and Springs	..	..	..	12	—	—
Fair Grounds	..	..	..	3	1	1
Pig Keeping	..	..	..	50	1	—
Caravans	..	..	..	2	—	—
				—	—	—
TOTALS	..			220	72	28
				—	—	—

Statutory Notices and Legal Proceedings.

In addition to preliminary notices, 5,999 Statutory Notices were served under the Public Health Act, 1936, and the Stoke-on-Trent Corporation Act, 1928.

Proceedings were instituted in a number of cases during the year, as follows :—

- 13 Statutory Nuisances, Public Health Act, 1936, Section 93.
- 1 Sink Waste Drainage, Public Health Act, 1936, Section 39.
- 1 Defective Water Closet, Public Health Act, 1936, Section 45.
- 2 Smoke and Fumes, Public Health Act, 1936, Section 103.
- 2 Building Licence Offences, Defence Regulations. (£300 fines and costs).

Work was carried out by the Public Works Department in default of statutory notices for defective water closets at 38 properties.

Table of Statutory Notices Served.

PUBLIC HEALTH ACT, 1936.					<i>Notices Served.</i>
Section 39	Provision of Drainage, etc.	..	..		5
Section 40	Soil Pipe and Vent Shafts	..	..		8
Section 44	Insufficient Closet accommodation		..		1
Section 45	Defective Closet accommodation		..		653
Section 47	Privy Conversions	..	..	..	179
Section 75	Dustbins	..	..	..	2,486
Section 83	Verminous Premises	..	..	..	4
Section 93	Statutory Nuisances	..	..	..	2,247
TOTAL					5,583

STOKE-ON-TRENT CORPORATION ACT, 1928. SECTION 32.

Stopped and Defective Drains .. 416 notices served.

Common Lodging Houses.

There are two Common Lodging Houses in the City, the largest being the Salvation Army Hostel for men at Stoke, which has accommodation for 109 beds ; the other one is a small type of lodging house in the Burslem area and is registered for 14 beds.

Both these premises are conducted in a satisfactory manner. Fifty-two inspections were made during the year, one contravention was found and one abated during the year.

Marine Stores.

There are six licensed Marine Stores in the City. Thirteen inspections were made, six contraventions found and three abated during the year.

CONVERSION OF PRIVIES AND PAILS TO WATER CLOSETS.

(PUBLIC HEALTH ACT, 1936, SECTION 47).

Further progress has been made during the year with the conversion of privy and pail closets into water flushed closets, particularly in the outlying areas. In the Fegg Hayes, Chell Green, Oxford, Cornhill, Ball Green and Norton Districts.

Conversions have been completed as far as is practicable in the Milton area.

	Orders Given	Conver- sions completed	Conver- sions in progress	Privies abolished not converted	Not commenced
Public Works Department ..	205	161	5	—	39
Corporation Contracts ..	171	112	—	—	59
Owners Contracts ..	149	132	5	7	5
Orders not yet placed ..	47	—	—	—	47
	572	405	10	7	150
	No. of. privies	Conver- sions completed	Conver- sions in progress	Privies abolished not converted	Not commenced
Fegg Hayes, Oxford and Chell Green ..	139	139	—	—	—
Ball Green	116	116	—	—	—
Cornhill	71	71	—	—	—
Norton	42	36	1	3	2
Milton	186	34	6	2	144
Abbey Hulton, Meir, Trent Vale, etc. ..	18	9	3	2	46
	572	405	10	7	150

Housing Inspections, and Inspections under the Rent
and Mortgage Interests (Restrictions) Acts, 1920 to 1939.

HOUSING.

During the year, 40 Demolition Orders and 12 Closing Orders were made and in seven cases undertakings were accepted in respect of individual houses unfit for human habitation. 25 Certificates under the Rent Restrictions Acts were issued.

Some further progress has been made in the re-housing of families from confirmed Clearance Areas. 89 families were re-housed during the year and there are still 311 families waiting to be re-housed from Clearance Areas. 46 houses have been demolished and the sites cleared.

869 families have been re-housed by the Corporation to abate statutory overcrowding.

1. INSPECTION.

1.	(a)	Total number of dwelling-houses inspected for housing defects (under the Public Health or Housing Acts) ..	131
	(b)	Number of inspections made for the purpose	133
2.	(a)	Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 and 1932 ..	70
	(b)	Number of inspections made for the purpose	70
3.		Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	70
4.		Number of dwelling-houses (exclusive of those referred to under the preceeding sub-head) found not to be in all respects reasonably fit for human habitation	60
5.		Number of dwelling-houses found in a fit state ..	1
6.		Number of inspections under Part III of Housing Act 1936 (Clearance Areas)	—
7.		Number of inspections under Rent Restrictions Act, 1920-1938	25
8.		Number of inspections under Section 51	—

2. REMEDY OF DEFECTS WITHOUT SERVICE OR FORMAL NOTICES.

		Number of Defective dwelling-houses rendered fit in consequence of informal action taken by the Local Authority or their officers	—
--	--	---	---

3. ACTION UNDER STATUTORY POWERS :—

A. Proceedings under Section 9 of the Housing Act, 1936.

Number of dwelling-houses which were rendered fit :—

(a)	by Owners	9
(b)	by Local Authority in default of Owners ..	—

B. Proceedings under Section 11 and 12 Housing Act, 1936.

(a)	Demolition Orders made	40
(b)	Undertakings accepted	7
(c)	Closing Orders made	12
(d)	Informal Undertakings	—

C. Proceedings under Public Health Acts :—

Number of dwelling-houses in which defects were remedied—

(a) by Owners	31
(b) by Local Authority in default of Owners ..	3

DEMOLITIONS.

	<i>In Progress</i>	<i>Demolished</i>
(a) Clearance Areas	14	36
(b) Compulsory Purchase Areas ..	—	10
(c) Individual unfits (Informal) ..	—	—

Revisits in respect of Statutory Notices served under the Housing Act, 1936, and Public Health Act, 1936 ..	671
Appointments	423
Defects remedied	1,458
Visits in respects of Clearance Areas, etc. ..	775

Clearance and Compulsory Purchase Areas.

Table shewing present position of areas included in the five year programme commenced in 1933 :—

	<i>Clearance and Compulsory Purchase</i>	<i>Part II</i>	<i>Total</i>
Total No. of Areas	162	—	162
No. of Houses confirmed by Ministry	3,773	104	3,877
Population	17,131	389	17,520
Total Number of Families ..	4,213	115	4,328
Total Number of Families rehoused	4,019	60	4,079
Total Houses Demolished	3,422	43	3,465
*Total Houses Standing Vacant ..	142	4	146
Total No. of Families to be rehoused	241	70	311

*(14 houses in course of demolition).

Demolition Orders (Undertakings) and Closing Orders in Operation

	<i>Demolition Orders</i>	<i>Closing Orders</i>
Tunstall	1	3
Burslem	3	16
Smallthorne and Chell Heath	5	—
Hanley	8	21
Stoke	1	3
Fenton	27	10
Longton	3	7
	<hr/> 48 <hr/>	<hr/> 60 <hr/>

Rent Restriction Certificates.

Applications received	..	..	25
Certificates granted	..	..	25
Applications refused	..	..	Nil

Overcrowding Provisions—Housing Act, 1936.

The housing position is exceptionally bad and continuous enquiries are being made by the public as regards abatement of overcrowding. During the year there were 1,426 enquiries made and of these 522 were certified as overcrowded in accordance with the provisions of the Housing Act, 1936. 869 families rehoused by the Corporation to abate overcrowding.

Control of Civil Building

Since the raising in July, 1948, of the free limit by £100 for dwelling-houses and £1,000 for industrial premises the number of applications for building licences has been considerably less.

	No.	Value £
Licences granted during the year for dwelling-houses	2,619	87,758
Licences granted during the year for business premises	558	25,714
Progressive total of licences issued	12,201	436,613

Warnings in respect of unauthorised work were issued in ten instances and legal proceedings taken in one case. Fined £50, costs £2 2s. 0d.

Smoke Abatement, etc.

During the year under review further observations, inspections, and demonstrations have been carried out in relation to smoke abatement. Complaints of industrial nuisances (noise, dust and fumes), are still on the increase and these prove to be very difficult to deal with under existing legislation. It was found necessary in three cases to take court proceedings and the cases were adjourned on undertakings being given to reconstruct the offending plant.

As requested by the Ministry of Fuel and Power all cases where abatement notices for smoke nuisances are served are referred to their Regional Office for investigation.

Further progress has been made with the installation of electric and gas fired ovens and kilns to replace the intermittent coal-fired type. At the present time there are 76 electrically fired, 140 town gas fired ovens in operation in the City area.

Table Shewing Method of Firing in the Pottery Industry.

Method of Firing	TYPE OF OVENS AND KILNS				Totals
	Biscuit	Glost	Enamel and Decorating	Other	
Electric	2	23	44	7	76
Town Gas	48	68	10	14	140
Oil	1	—	1	—	2
Producer Gas ..	4	8	—	—	12
Solid Fuel	561	405	445	—	1411
Totals	616	504	500	21	1641

Table Shewing Action Taken with Regard to Smoke Abatement and other Nuisances.

	Potteries		Brick and Tile Works		Collieries		Other Premises	
Complaints Received								
Smoke	16		2		—		17	
Grit and Dust ..	24		—		—		3	
Fumes	12		—		—		7	
Noise and Vibration ..	21		—		1		14	
Burning Spoil Banks ..	1		—		2		—	
Totals	74		2		3		41	
	Nui- sance	No Nui- sance	Nui- sance	No Nui- sance	Nui- sance	No Nui- sance	Nui- sance	No Nui- sance
Observations for Smoke.								
Boiler Stacks	111	117	—	—	5	8	26	29
Oven Stacks	50	69	14	11	—	—	—	5
Kiln Stacks	21	24	—	—	—	—	—	4
Other Stacks	6	1	—	—	—	—	10	21
Other Observations.								
For Grit and Dust ..	18	11	—	—	—	—	7	9
For Fumes	9	5	—	—	5	—	5	15
For Noise and Vibration	16	9	—	—	—	—	10	19
For Burning Spoil Banks	1	—	—	—	2	2	—	—
For Other Purposes ..	—	—	—	2	—	—	1	2
Totals	232	236	14	13	12	10	59	104
Inspections.								
Of Boilers	355		2		75		80	
Of Ovens	139		64		—		30	
Of Kilns	147		17		1		14	
Of Other Installations	47		3		—		143	
For Grit and Dust ..	130		—		—		35	
For Fumes	30		—		11		18	
For Noise and Vibration	94		—		3		48	
For Burning Spoil Banks	5		—		13		8	
For Other Purposes ..	6		—		—		—	
Totals	953		86		103		376	

**Table Shewing Action Taken with Regard to Smoke Abatement
and other Nuisances—Continued.**

	Potteries	Brick and Tile Works	Collieries	Other Premises
Interviews.				
Owners or Occupiers ..	590	16	2	244
Managers, Engineers and Firemen ..	989	76	54	276
Other Persons ..	13	2	—	96
Totals ..	1592	94	56	536
Warnings Given.				
Smoke ..	186	11	5	32
Grit and Dust ..	6	—	—	1
Fumes ..	3	—	—	1
Noise and Vibration ..	4	—	—	—
Totals ..	199	11	5	34
Preliminary Notices Served.				
Smoke ..	171	10	5	27
Grit and Dust ..	5	—	—	1
Fumes ..	2	—	—	1
Noise and Vibration ..	4	—	—	1
Totals ..	182	10	5	30
Statutory Notices Served.				
Smoke ..	87	5	2	9
Grit and Dust ..	1	—	—	—
Fumes ..	1	—	1	—
Noise and Vibration ..	—	—	—	—
Totals ..	89	5	3	9

Repairs, Improvements and Alterations Carried Out.

Boiler Plant	6	Smoke Consumers	2
Flues	10	Steam Jets	2
Chimney Stacks	6	Fans	3
Kiln Furnaces	3	Ovens and Kilns Demolished ..	6
Ventilators	2	Grit and Dust Prevention ..	7
Fuel	8	Noise and Vibration	7
Firing	11	Mechanical Stokers	7

Factory Inspections.

				Factories (Mech- anical)		Factories		Work- places		Total	
Visits Paid				2,937		452		14		3,403	
Defects				Defects found	Defects remedied	Defects found	Defects remedied	Defects found	Defects remedied	Defects found	Defects remedied
Want of Cleanliness	..	..	..	—	—	5	—	—	—	5	—
Want of Ventilation	..	..	..	—	—	—	1	—	—	—	1
Want of Lighting	..	..	..	—	—	—	—	—	—	—	—
Overcrowding	..	..	..	—	—	2	—	—	—	2	—
Condition of Floors	..	..	..	—	—	1	3	—	—	1	3
Want of Drainage to Floors	..	..	..	—	—	—	—	—	—	—	—
Condition of Walls	..	..	..	—	—	15	6	—	—	15	6
Condition of Ceilings	..	..	..	—	—	13	5	—	—	13	5
Defects in Drainage	..	..	..	7	12	6	5	—	—	13	17
Other Nuisances	..	..	..	11	17	12	6	—	—	23	23
Sanitary Accommodation :—											
Insufficient	..	..	..	70	78	3	1	—	—	73	79
Unsuitable or Defective	..	..	..	658	757	46	21	1	—	705	778
Not separate for sexes	..	..	..	—	6	—	—	—	—	—	6
Badly lighted	..	..	..	171	272	8	1	—	—	179	273
Badly ventilated	..	..	..	29	46	—	1	—	—	29	43
Without fasteners to doors	..	..	..	289	348	20	8	—	—	309	356
Dirty Condition	..	..	..	450	503	25	8	—	—	475	511
Foul or defective urinals	..	..	..	52	53	—	—	—	—	52	53
Want of Indicators	..	..	..	40	58	2	1	—	—	42	59
Inadequate Screening	..	..	..	28	41	1	—	—	—	29	41
Directly Communicating	..	..	..	46	69	1	2	—	—	47	71
TOTAL				1851	2260	160	69	1	—	2012	2329

Complaints received from H.M. Inspector	..	56
Complaints complied with	.. ..	31
Complaints in hand	.. ..	25

Prescribed Particulars on the Administration of the
Factories Act, 1937.

(Form 572).

PART I OF THE ACT.

1. Inspections for purposes of provisions as to health (including inspections made by Sanitary Inspectors).

Premises (1)	Number on Register (3)	Number of		
		Inspections (4)	Written Notices (5)	Occupiers Prosecuted (6)
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by the Local Authority ..	522	452	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	1,258	2,937	15	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises	—	—	—	—
TOTALS ..	1,780	3,389	15	—

2. CASES IN WHICH DEFECTS WERE FOUND.

Particulars (1)	Number of cases in which defects were found			
	Found (3)	Remedied (4)	Referred	
			To H.M. Inspector (5)	By H.M. Inspector (6)
Want of cleanliness (S.1)	3	—	—	2
Overcrowding (S.2)	2	—	—	1
Unreasonable temperature (S.3) ..	—	—	—	—
Inadequate ventilation (S.4)	—	1	—	—
Ineffective drainage of floors (S.6) ..	—	—	—	—
Sanitary Conveniences (S.7) :—				
(a) Insufficient	73	79	—	14
(b) Unsuitable or defective	1,860	2,195	—	36
(c) Not separate for sexes	6	—	—	4
Other offences against the Act (not including offences relating to Outwork)	65	54	5	—
TOTALS ..	2,011	2,329	5	57

PART VIII OF THE ACT—OUTWORKERS.

Number of Out-Workers' on the August list was 6 (Wearing Apparel). No notices served. No prosecutions made.

Factory Act, 1937, Section 8 (3).

Table of Mechanical and Non-Mechanical factories at present on the register :—

				<i>Mechanical</i>		<i>Non-Mechanical</i>
Tunstall	..	..	..	131	..	57
Burslem	..	..	..	240	..	107
Hanley ..	..	..	..	412	..	191
Stoke ..	..	..	..	150	..	84
Fenton ..	..	..	..	122	..	37
Longton	..	..	..	203	..	46
TOTAL				1,258		522

Canal Boat Inspections.

During the year 114 Canal Boats have been inspected, the accommodation provided was for 344 persons, being an average of 3.01 persons per boat.

The number in occupation was 299 persons, being 98 males, 72 females, and 129 children, or an average of 2.67 per boat.

The percentage of males, females and children were : 32.78 males ; 24.08 females ; 43.14 children.

Of the 129 children found on the Boats 69 (38 boys and 31 girls) were over 5 years of age, and therefore of school age.

The Canal Boats were registered to carry the following number of persons :—

- 111 registered to carry 3 persons.
- 2 registered to carry 32 persons.
- 1 registered to carry 4 persons.

In 29 instances a pair of Canal Boats were worked by one family (in some cases with assistance).

Infringements of Acts of Regulations.

(a)	Registration	1
(b)	Notification of change of Master	—
(c)	Certificates	6
(d)	Marking	1
(e)	Overcrowding	2
(f)	Separation of sexes	—
(g)	Cleanliness	—
(h)	Ventilation	—
(i)	Painting	1
(j)	Water Vessel	5
(k)	Removal of bilge water	—
(l)	Other defects or dilapidations	7
(m)	Notification of Infectious Diseases ..	—
(n)	Admittance of Inspector	—
TOTAL ..		23

Notices were served in 12 cases for infringements and no legal proceedings were taken under the Acts and Regulations during this period. There were no cases of Infectious Diseases notified.

There are at present on the register 234 Canal Boats known to be working. Two Canal Boats were registered by this Authority during the past year.

DISINFECTION AND DISINFESTATION SERVICES.

Disinfection.

Table shewing disinfection following infectious disease, etc. :—

No. of Houses disinfected	834
No. of Rooms disinfected (included in above)	6,925
No. of Hospital Wards disinfected	71
No. of Schools disinfected	7
No. of Day Nurseries disinfected	1
Total number of Articles of Clothing, etc. disinfected	7,758

Disinfestation.

(ERADICATION OF BED BUGS, COCKROACHES, STEAM FLIES, ETC.).

Specially trained operators are engaged in this service and treatments have been successfully carried out by the use of fumigants and D.D.T. compounds in liquid and powder form.

The houses and household effects of new tenants for Council Houses are inspected and where necessary disinfestation of the house, furniture, clothes, etc., is carried out. As an additional precautionary measure all new Corporation houses are treated with D.D.T. before occupation.

No. of Private Houses treated	..	..	31
No. of Council Houses treated	..	..	1,327
No. of Factory Premises treated	..	..	25

In addition to the disinfestation of dwelling-houses all Corporation Buildings (Offices, Markets, Town Halls, etc.), and a number of factories bakehouses food premises are under contract for periodic treatment and supervision by the Disinfestation Staff.

RATS AND MICE DESTRUCTION ACT, 1919.

Rodent Infestation in the City is well under control. Industrial and business premises, many of which are under contract, have been periodically inspected. Treatment of the Public Sewers has been carried out during the year.

The following is a summary of the work carried out :—

No. of visits to premises	..	..	..	..	12,853
No. of interviews	..	..	..	..	439
No. of complaints received	..	..	..	..	377
No. of complaints unfounded	..	..	..	..	42
No. of premises where rat proofing recommended	..	..	..	..	145
No. of premises where rat proofing carried out	..	..	..	..	120
Total number of prebait laid in ozs.	..	..	..	..	41,187
Total number of prebait taken in ozs.	..	..	..	..	12,264
Total number of poison bait laid in ozs.	..	..	..	..	17,120
Total number of poison bait taken in ozs.	..	..	..	..	2,613
Estimated kill (Rats and Mice)	..	..	..	..	13,745
No. of Bodies seen (Rats and Mice)	..	..	..	..	4,632
Defective Drains	..	..	..	..	26
Drains repaired	..	..	..	..	19
Drain test made—	29 Positive,	63 Negative.			

Sewer Infestation.

Test baiting was carried out during the Spring and over 800 sewer manholes were baited. During the Summer further maintenance treatments were undertaken and 1,717 manholes treated. The results reveal that the infestation has been greatly reduced.

FOOD AND DRUGS ACT, 1938.

From the 1st March, 1948, by the coming into force of the Ministers of the Crown (Transfer of Functions) Order, known as the Transfer of Functions (Food and Drugs) Order, 1948, the Minister of Food took over the duties of the Minister of Health in relation to the administration and related interests of the Central Department in the Acts and relevant Regulations.

The Ministry of Food is now the Department concerned with the composition and description of food, and also food inspection and hygiene generally, Milk and Dairies Regulations and the Milk Special Designations Regulations and the functions of the Ministry of Agriculture and Fisheries relating to butter, margarine and the sections dealing with the importation of certain foods.

The Ministry of Health retain their interest in the composition and description of drugs, and the sections relating to Food Poisoning, Ice Cream Heat Treatment Regulations, Section 37, and the Milk and Dairies Regulations as far as they relate to the control of milk infected with disease.

The duties and enforcement and execution placed by the Act upon Local Authorities are not affected by the Order.

The number of samples taken for analysis by the Public Analyst during the year was as follows :—

Total number of Samples submitted for Analysis					Formal	Informal	Result of Analysis	
							Genuine	Non- Genuine
2	Almond Flavouring	..	..	..	—	2	2	—
1	Aniset	..	..	..	—	1	1	—
1	Almond Ground Substitute	..	..	..	—	1	—	1
1	Anchovies in Pure Olive Oil	..	..	..	—	1	1	—
2	Aspirin Tablets	..	..	..	—	2	2	—
2	Apple Juice Concentrated	..	..	..	—	2	2	—
2	A.P.C. Tablets	..	..	..	—	2	2	—
1	Asthma Tablets	..	..	..	—	1	1	—
1	Aperolin Raspberry Flavour	..	..	..	—	1	1	—
1	Apple Green Colouring	..	..	..	—	1	1	—
1	Apple Sauce Fresh Sweetened	..	..	..	—	1	1	—
1	Apple Tart	..	..	..	—	1	1	—
1	Arrowoot	..	..	..	—	1	1	—
1	Blackcurrant Wine	..	..	..	1	—	—	1
7	Beef Sausage	..	..	..	7	—	3	4
3	Butter National	..	..	..	1	2	3	—
1	Black Currant Juice Cordial	..	..	..	1	—	1	—
1	Bay Leaf Culinary	..	..	..	—	1	1	—
5	Baking Powder	..	..	..	—	5	5	—
1	Beef Extract Glycerinated	..	..	..	—	1	1	—
1	Basilicon Ointment	..	..	..	—	1	1	—
1	Barley Flour	..	..	..	—	1	1	—
38	Carried forward	..	..	..	10	28	32	6

Total number of Samples submitted for Analysis					Result of Analysis	
					Genuine	Non- Genuine
38	Brought forward ..	10	28	32	6	
2	Bacon	—	2	2	—	
1	Barluze Soft Drink	—	1	1	—	
1	Butter Culinary Flavouring	—	1	1	—	
1	Butter, peanut	—	1	1	—	
1	Brawn, pigs head	—	1	1	—	
1	Bloater sandwich paste	—	1	—	1	
1	Brompton Cough Lozenges	—	1	1	—	
2	Bicarbonate of soda refined	—	2	2	—	
1	Borax and Honey	—	1	1	—	
1	Cocktail wine, orange	1	—	1	—	
1	Cooking Oil	1	—	1	—	
1	Cordial, non-alcoholic	1	—	1	—	
2	Cake Flour, coconut flavour	—	2	2	—	
1	Chocolate spread	—	1	1	—	
2	Coffee and Chicory Essence	—	2	2	—	
1	Custard Powder	—	1	1	—	
1	Cinnamon and Quinine Concentrated	—	1	1	—	
1	Chicken Broth concentrated	—	1	1	—	
1	Chutney	—	1	1	—	
1	Calamine Ointment	—	1	1	—	
1	Chicken Croquettes	—	1	1	—	
1	Chest and Lung Mixture	—	1	1	—	
1	Cercoca Cereal	—	1	1	—	
1	Coffee and Chicory Cubes	—	1	1	—	
3	Coffee	—	3	3	—	
1	Culinary Colouring Violet	—	1	1	—	
1	Cochineal	—	1	1	—	
2	Cinnamon Ground	—	2	2	—	
1	Cake Flour caramel flavour	—	1	1	—	
2	Cheese	—	2	2	—	
1	Chlorodyne B.P.C.	—	1	1	—	
1	Curry Indian Powder	—	1	1	—	
1	Cake Fancy	—	1	1	—	
1	Custard Flavour Sauce unsweetened	—	1	1	—	
1	Dandelion Coffee Essence	—	1	1	—	
1	Delicaf	—	1	1	—	
1	Delicacies Strawberry Flavour	—	1	1	—	
2	Eucalyptus Oil B.P.	—	2	2	—	
2	Epsom Salts Compound Tablets	—	2	2	—	
2	Epsom Salts B.P.	—	2	2	—	
1	Egg Substitute Powder	—	1	—	1	
1	Effervescent Mixed Fruit Drink	—	1	—	1	
1	Powder	—	1	—	1	
1	Fruit Dessert	—	1	1	—	
1	Fruitabax Fruit Laxative	—	1	1	—	
2	Fat Cooking	—	2	2	—	
1	Frizets	—	1	1	—	
1	Fruit Sauce	—	1	1	—	
1	Fish Cakes	—	1	1	—	
1	Fever Cure	—	1	1	—	
1	Flour Self Raising	—	1	1	—	
3	Golden Raising Powder	—	3	3	—	
1	Glauber Salts B.P.	—	1	—	1	
1	Glycerine B.P.	—	1	1	—	
4	Gelatine	—	4	4	—	
1	Glucose Tablets	—	1	1	—	
1	Ginger Preserved in Syrup	—	1	1	—	
111	Carried forward ..	13	98	101	10	

Total number of Samples submitted for Analysis				Result of Analysis	
				Genuine	Non- Genuine
III	Brought forward ..	13	98	101	10
I	Green Colouring	—	I	I	—
I	Ginger Wine Essence Improved ..	—	I	I	—
I	Golden Bar	—	I	I	—
I	Ginger Wine Non-Alcoholic ..	I	—	I	—
I	Herbs and Honey	—	I	I	—
2	Health Salts Pineapple Flavour ..	—	2	2	—
I	Iodised Throat Tablets	—	I	I	—
I	Juniper Pills	—	I	I	—
I	Jam Tart	—	I	I	—
3	Jam Plum, Full Fruit Standard ..	—	3	3	—
I	Jam Strawberry, Full Fruit Standard	—	I	I	—
I	Jam, Apple and Strawberry, full fruit standard	—	I	I	—
I	Jam, Bramble Seedless, full fruit standard	—	I	I	—
I	K.A. Fat, Sweetened	—	I	I	—
4	Lemonade Crystals	—	4	4	—
I	Lemon Flavouring	—	I	I	—
I	Lucozade Tonic Food Beverage ..	—	I	I	—
I	Liquorice Powder Compound ..	—	I	I	—
I	Linctus	—	I	I	—
628	Milk, New	593	35	572	56
18	Milk, Pasteurised	18	—	18	—
5	Milk Tuberculin Tested Pasteurised	5	—	5	—
30	Milk, Sterilised	30	—	30	—
2	Milk, appeal to cows	2	—	2	—
I	Milo Tonic Food	—	I	I	—
I	Mint, Dried	—	I	I	—
I	Malt chocolate spread	—	I	I	—
I	Milk, Machine Skimmed, Con- densed, Sweetened	—	I	I	—
I	Malt Extract, caramel flavour ..	—	I	I	—
I	Malt Chocolate Spread	—	I	I	—
2	Margarine, Special	—	2	2	—
I	Meat Paste, Beef	—	I	I	—
I	Mock Marzipan Mixture, Vanilla ..	—	I	I	—
I	Meat Soup	—	I	I	—
I	Marmalade	I	—	I	—
I	Mincemeat	I	—	I	—
2	Nutmegs, Ground	—	2	2	—
5	Oil Olive, B.P.	—	5	5	—
I	Olive Oil and Raspberry Vinegar ..	—	I	I	—
I	Orange Flavouring	—	I	I	—
I	Onion, sliced dehydrated	—	I	I	—
I	Onion, dried	—	I	I	—
I	Oil, White	I	—	—	—
I	Orange Squash	I	—	I	I
I	Oil, Salad	—	I	I	—
4	Pepper, White	—	4	4	—
I	Parsley and Thyme Forcemeat ..	—	I	I	—
I	Prune Puree	—	I	I	—
2	Paraffin, Liquid B.P.	—	2	2	—
I	Potato Chips, Dehydrated	—	I	I	—
I	Peas, Tinned Processed	—	I	I	—
I	Potted Meat	—	I	I	—
746	Carried forward ..	666	191	790	67

Total number of Samples submitted for Analysis				Result of Analysis	
				Genuine	Non- Genuine
746	Brought forward ..	666	191	790	67
1	Peppermint Tablets, Digestive ..	—	1	1	—
1	Plum, Red, Bottled, artificially sweetened	—	1	—	1
2	Rum, Jamaica	1	1	2	—
1	Raisin Wine, Non-Alcoholic ..	1	—	1	—
2	Rennet, Essence of	—	2	2	—
1	Raspberry Leaf Tablets	—	1	1	—
1	Sweet Pickles	—	1	1	—
1	Sandwich Spread	—	1	—	1
1	Stomach Powder, MacLeans ..	—	1	1	—
1	Seidlitz Powders	—	1	1	—
3	Syrup of Figs, Compound	—	3	3	—
1	Shrimps. Bottled	—	1	1	—
1	Sauce, Cherrio	—	1	1	—
2	Saccharin Tablets	—	2	2	—
2	Sulphur Tablets	1	1	—	2
2	Sugar	—	2	2	—
1	Steamed Pudding Mixture	—	1	1	—
1	Sponge Mixture	—	1	1	—
1	Sweetening Tablets	—	1	1	—
1	Sarsparilla Extract, Concentrated ..	—	1	1	—
1	Sponge Cake and Pudding Mixture	—	1	1	—
1	Sweepfat	—	1	1	—
3	Sage and Onion Stuffing	—	3	3	—
4	Salad Cream	1	3	2	2
1	Sponge Mixture	—	1	1	—
1	Strawberry Flavouring Essence ..	—	1	1	—
2	British Sherry	2	—	2	—
1	Thirst Quenchers	—	1	1	—
1	Twinklettes	—	1	1	—
1	Tomato Dainty Spread	—	1	1	—
1	Tongue Paste	—	1	1	—
1	Tomato Soup	—	1	1	—
1	Tumeric, Powdered	—	1	1	—
1	Tomato Sauce	—	1	1	—
1	Tomato Ketchup	—	1	1	—
1	Takazyma Lozenges	—	1	1	—
15	Vinegar, Malt	13	2	15	—
1	Vinegar, Special Taragon Flavour ..	—	1	1	—
1	Veal and Ham Paste	—	1	1	—
1	Vironita Tonic Wine	1	—	1	—
1	Whisky Flavouring, Artificial ..	—	1	1	—
925	TOTAL ..	686	239	852	73

Formal Samples	686
Informal Samples	239
Number of Samples Genuine	852
Number of Samples Non-Genuine	73

The average standard of fat in the milk samples passed as genuine were as follows :—

Quarter ending—

31st March, 1948	3.51%
30th June, 1948	3.47%
30th September, 1948	3.63%
31st December, 1948	3.72%

The Sale of Milk Regulations, 1939, fixes a minimum fat standard of 3%.

Twelve samples of milk were low in solids, not fat, due to natural causes.

PRESERVATIVES IN MILK, BUTTER, MARGARINE, JAM, ETC.

No preservatives were found in milk, jam (6), sausage (6), butter, chicken croquettes, ginger wine essence, arrowroot, ginger preserved in syrup, sauce, mincemeat, marmalade, chutney, bottled shrimps, coffee essence and extract.

Preservatives in permissible quantities were found in :—

- 4 samples of Gelatine 32 to 735 parts per million Sulphur Dioxide.
- 2 samples of bacon from a trace to 66 parts per million Sodium Nitrate.
- 1 sample Apple Juice 210 parts per million Sulphur Dioxide.
- 1 sample Black Currant Juice Cordial 275 parts per million Sulphur Dioxide.
- 1 Orange Squash 85 parts per million Sulphur Dioxide.
- 1 Ginger Wine 600 parts per million Benzoic Acid.
- 5 Margarine 0.21% to 0.25% Boric Acid.
- 1 Barluze 60 parts per million Benzoic Acid.
- 1 Potato Chips dehydrated 38 parts per million Sulphur Dioxide.
- 1 Lime Cordial 100 parts per million Sulphur Dioxide.

Proceedings under the Act were instituted as follows :—

Date Purchased		Result		Fines £ s. d.			Costs £ s. d.		
12-1-48	..	Selling new milk containing 18.5% added water	..	Convicted	..	10 0 0	..	8 5 0	
12-1-48	..	Adding water to new milk	..	Convicted	..	5 0 0	..	—	
13-1-48	..	Selling new milk containing 37.9% added water	..	Convicted	..	10 0 0	..	—	
13-1-48	..	Adding water to new milk	..	Convicted	..	5 0 0	..	—	
13-1-48	..	Selling new milk containing 37.8% added water	..	Convicted	..	10 0 0	..	—	
13-1-48	..	Adding water to new Milk	..	Convicted	..	5 0 0	..	—	
1-2-48	..	Selling new milk containing 6.4% added water	..	Convicted	..	10 0 0	..	1 11 6	
1-2-48	..	Adding water to new milk	..	Dismissed	..	—	..	4 0	
1-2-48	..	Selling new milk containing 6.7% added water	..	Convicted	..	10 0 0	..	1 11 6	
1-2-48	..	Adding water to new milk	..	Dismissed	..	—	..	4 0	

Date Purchased		Result		Fines £ s. d.			Costs £ s. d.		
1-2-48	..	Selling new milk containing 2% added water	..	Convicted	..	10 0 ..	1 11 6		
1-2-48	..	Adding water to new milk	..	Dismissed	..	— ..	4 0		
1-2-48	..	Selling new milk containing 4% added water	..	Convicted	..	10 0 ..	1 11 6		
1-2-48	..	Adding water to new milk	..	Dismissed	..	— ..	4 0		
1-2-48	..	Selling new milk containing 3.8% added water	..	Convicted	..	10 0 ..	1 11 6		
1-2-48	..	Adding water to new milk	..	Dismissed	..	— ..	4 0		
1-2-48	..	Selling new milk containing 3.87% added water	..	Convicted	..	10 0 ..	1 11 6		
1-2-48	..	Adding water to new milk	..	Dismissed	..	— ..	4 0		
2-2-48	..	Selling new milk containing 2.8% added water	..	Convicted	..	2 0 0 ..	3 3 0		
2-2-48	..	Selling new milk containing 2.0% added water	..	Convicted	..	2 0 0 ..	3 3 0		
19-3-48	..	Selling Sulphur Tablets 3% deficient in weight and 24.4% deficient in Sulphur and deficiency of 22.0% in Acid Potassium Tartrate :—							
		Retailer Section 3	..	Withdrawn	..	— ..	—		
		Wholesaler Section 85	..	Withdrawn	..	— ..	—		
		Manufacturer Section 85	..	Convicted	..	5 0 0 ..	8 7 2		
6-5-48	..	Selling new milk 9% deficient in Fat and containing 17.4% added water	..	Convicted	..	5 0 0 ..	3 2 0		
	..	Selling new milk containing added water	..	Dismissed	..	— ..	4 0		
25-5-48	..	Selling new milk 16.7% deficient in fat	..	Convicted	..	2 0 0 ..	4 2 0		
16-6-48	..	Selling Beef Sausage 27.2% deficient in meat	..	Convicted	..	5 0 0 ..	3 2 0		
16-6-48	..	Selling Beef Sausage 31.2% deficient in meat	..	Convicted	..	5 0 0 ..	3 2 0		
21-6-48	..	Selling new milk 13.3% deficient in Fat	..	Convicted	..	1 0 0 ..	3 1 0		
21-6-48	..	Selling new milk 3.3% deficient in fat	..	Convicted	..	2 0 0 ..	3 1 0		
TOTAL				..		£62 15 0	£53 5 2		

Details of Non-Genuine Samples where proceedings were not instituted :—

No. of Sample	Article		Date	Remarks
7	.. New Milk	..	6-1-48	.. 4% deficient in Fat. Five Churns sampled, composite fat content 3.42%. No action.
12	.. New Milk	..	6-1-48	.. 3.3% deficient in fat. Three churns sampled. Composite fat content 3.32%. No action.
84	.. New Milk	..	9-2-48	<div style="display: flex; align-items: center;"> <div style="font-size: 4em; margin-right: 10px;">{</div> <div> 5.7% deficient in fat. 10% deficient in fat. 4% deficient in fat and 2.1% deficient in solids not fat. Nine churns sampled. Composite fat content 3.28% solids not fat 8.57%. Letter re proper distribution of strippings. </div> </div>
85	.. New Milk	..	9-2-48	
86	.. New Milk	..	9-2-48	
114	.. New Milk	..	25-2-48	.. 5.7% deficient in fat. Repeat sample of 83/91. Eight churns sampled. Composite fat content 3.34%. Solids not fat 8.71%. No action.
1	.. New Milk	..	9-3-48	.. 6% deficient in fat. Repeat sample taken and found genuine. Letter of caution.
154	.. New Milk	..	15-1-48	.. 5.7% deficient in fat and 2% deficient in solids not fat. Two samples taken composite fat content 3.11%. Solids not fat 8.37% due to natural causes. No action.
122	.. New Milk	..	1-8-48	.. 6.7% deficient in fat and 0.4% deficient in solids not fat. Two samples taken. One genuine. Letter of caution.
158	.. New Milk	..	15-1-48	.. 4% deficient in fat. Two churns sampled. Composite fat content 3.19%. Solids not fat 8.92%. No action.
165	.. New Milk	..	16-1-48	.. 4% deficient in fat and 2% deficient in solids not fat. Six churns sampled. Composite fat content 3.43%. Solids not fat 8.62%. No action.
7A	.. Glauber Salts B.P.	..	17-1-48	.. Contained 149.0% Hydrated Sodium Sulphate instead of 102.0% due to efflorescence Letters to retailer and manufacturer. Stocks withdrawn from sale. Informal sample.
40A	.. Bloater Sandwich Spread	..	6-3-48	.. Sub standard fish paste, not a sandwich spread. Old stock, unable to follow up as stocks exhausted. Informal sample.
68	.. Black-Currant Wine	..	30-6-48	.. Bottle labelled Black Currant Flavour Cordial and found to be such on analysis. Ticket in shop window described the cordial as wine and it was sold as such. Letter of warning.
222	.. New Milk	..	20-5-48	.. 4% deficient in fat and 0.8% deficient in solids not fat. Three churns sampled. Composite fat content 3.11%. Solids not fat 8.52%. No action.
225	.. New Milk	..	20-5-48	.. Contained 0.7% added water. Three churns sampled. Composite fat content 3.45%. Solids not fat 8.46%. Letter of warning re draining milk vessels of residual water after cleansing.

No. of Sample	Article		Date	Remarks
229	..	New Milk	..	20-5-48 } .. 5% deficient in fat.
230	..	New Milk	..	20-5-48 } .. 2.3% deficient in fat. (Four churns sampled. Composite fat content 3.07% Solids not fat 8.56%. No action).
236	..	New Milk	..	26-5-48 } .. 13.3% deficient in fat.
238	..	New Milk	..	26-5-48 } .. 7.3% deficient in fat.
239	..	New Milk	..	26-5-48 } .. 3.3% deficient in fat. (Seven churns sampled. Composite fat content 3.08%. Letter to farmer re times of milking at even periods.
257	..	New Milk	..	4-5-48 .. 3.3% deficient in fat. Five churns sampled. Composite fat content 3.38%. No action.
267	..	New Milk	..	10-5-48 .. 11.7% deficient in fat. Repeat samples found genuine. Letter of warning.
288	..	New Milk	..	25-5-48 .. 7.3% deficient in fat and 1.8% deficient in solids not fat. Two samples taken. One genuine. Under observation.
297	..	New Milk	..	31-5-48 .. 12.3% deficient in fat. Appeal to cows, Sample taken. Fat content 3.23%. Letter of warning.
320	..	New Milk	..	24-6-48 .. 3.3% deficient in fat. Six churns sampled. Composite fat content 3.32%. No action.
308	..	New Milk	..	7-6-48 } .. 20.7% deficient in fat.
309	..	New Milk	..	7-6-48 } .. 12.3% deficient in fat. (Four churns sampled, two of which contained 3.93% and 4.28% fat respectively. Four further samples taken at farm and all found genuine. Deficiencies due to levelling up churns for transport. Letter of warning.
327	..	New Milk	..	15-6-48 .. 6.7% deficient in fat. Letter of caution re plunging of milk prior to sale.
330	..	New Milk	..	15-6-48 .. 5% deficient in fat. Repeat sample genuine. Letter of caution.
358	..	New Milk	..	28-6-48 } .. 5% deficient in fat.
359	..	New Milk	..	26-6-38 } .. 4% deficient in fat. (Six churns sampled. Composite fat content 3.49%. No action.
333	..	Beef Sausage	..	16-6-48 .. Contained preservative but were not labelled in accordance with Public Health (Preservatives in Food, etc.) Regulations. Letter of warning.
368	..	New Milk	..	5-7-48 } .. 21.7% deficient in fat.
375	..	New Milk	..	5-7-48 } .. 5.7% deficient in fat. (Retailer. Four samples taken from producer and found genuine, deficiency due to division of milk by producer ; part of the produced milk going to another dairy. Farmer interviewed re distribution of strippings Letter to retailer.
384	..	New Milk	..	19-7-48 .. Contained 5.5% added water. Two samples taken, one found genuine. Repeat samples found genuine. Letter of warning.

No. of Sample	Article	Date	Remarks
388	.. New Milk ..	19-7-48	.. 9% deficient in fat and 1.5% deficient in solids not fat. Deficiency due to bottling. Letter of warning.
393	.. New Milk ..	20-7-48	.. 5% deficient in fat. Four churns sampled. Composite fat content satisfactory. No action.
429	.. New Milk ..	16-8-48	.. 3.3% deficient fat. Repeat sample genuine. No action.
436	.. New Milk ..	24-8-48	.. 6.7% deficient in fat. Two samples taken, one genuine. Letter re plunging of milk prior to sale.
479	.. New Milk ..	13-9-48	.. 5.7% deficient in fat. Two samples taken one genuine. County Council Authority had similar results and gave advice to producer.
485	.. New Milk ..	14-9-48	.. 5% deficient in fat. Four churns sampled. Composite fat content 4.5%. No action.
494 496	.. New Milk New Milk ..	20-9-48 } 20-9-48 }	.. 3.3% deficient in fat. .. 5% deficient in fat. (Retailer supplied by same wholesaler. Unable to follow up. Under observation.
145A	.. Effervescent.. Drink Powder	13-8-48	.. Contained prohibited ingredient Saccharin. Referred to Ministry of Food and informed sale under licence. Informal sample.
147A	.. Egg Substitute Powder	13-8-48	.. 30% deficient in available carbon dioxide. Unable to follow up as stocks exhausted. Informal sample.
117A	.. Bottled Red .. Plums. Artificially sweetened	4-9-48	.. Contained prohibited ingredient Saccharin. Referred to Ministry of Food and informed sales under licence. Informal sample.
238A	.. Almond Substitute Ground.	8-12-48	.. Informal sample. Unable to follow up. Stocks exhausted.
622	.. New Milk ..	23-12-48	.. 7.3% deficient in fat. Four churns sampled. Composite fat content 3.25% No action.
584	.. White Oil ..	3-11-48	.. Mineral Oil. Not to be used for preparation of food. Returned by Trader to Manufacturer.
187A	.. Salad Cream.. Contains Preservative	27- 9-48	.. Contained 650 parts per million of Benzoic Acid. Condemned as unfit for food owing to decomposition. Informal sample.
218A	.. Salad Cream.. Contains Preservative	20-11-48	.. Contained no egg and 500 parts per million of Benzoic Acid. Formal sample taken and found genuine. No action.
184A	.. Sandwich Spread	23- 9-48	.. Contained Saccharin but under licence by Ministry.
662	.. Beef Sausage	10-12-48	.. 9.8% deficient in meat content. Letter of warning.

Registration of Wholesale Margarine Dealers.

Four new registrations were granted for carrying on the business of Wholesale Margarine Dealers.

Merchandise Marks Act, 1926.

One inspection made. No infringement found.

Rag Flock Act, 1911.

One sample of rag flock was analysed and found to comply with the regulations. Two visits were made to premises.

Fertilisers and Feeding Stuffs Act, 1926.

Four samples were submitted for analysis as follows :—

- Superphosphate.
- Steamed Bone Meal.
- National Growmore Fertilizer
- Basic Slag

All satisfactory.

**Stoke-on-Trent Corporation Act, 1935, Section 68
and Food and Drugs Act, 1938, Section 13.**

Five hundred and sixty-six visits were made to Ice Cream Premises during the year under review. Seventy-nine contraventions were abated and twenty-seven reported.

Seventy samples of Ice Cream were submitted for Bacteriological examination with results as follows :—

	<i>Samples.</i>
Provisional Grade 1	21
Provisional Grade 2	11
Provisional Grade 3	10
Provisional Grade 4	22

Six samples could not be examined because of delay in transit to the laboratory.

A considerable increase has been noted in the Iced Lollipop trade and special attention given to premises where such trade is carried on ; at the present time, action is taken under Section 13 of the Food and Drugs Act, 1938, because of the legal definition of Ice Cream not including Iced Lollipops in the Heat Treatment Ice Cream Regulations.

Food and Drugs Act, 1938. (Milk Suppliers).

All milk samples taken for bacteriological and biological tests were submitted to the Public Health Laboratory Service (Medical Research Council) Stafford. The proposed changes indicated in the White Paper, 1944, have not yet become effective.

Two-hundred and eighty-three samples of ordinary raw milk were submitted for bacteriological tests as follows :—

CITY FARMS—196.

- 94 Samples showed no coliform organisms in 1/10th ML.
- 41 Samples showed coliform organisms in 1/10th ML.
- 15 Samples showed coliform organisms in 1/100th ML.
- 46 Samples showed coliform organisms in 1/1000th ML.

COUNTY FARMS—87.

- 39 Samples showed no coliform organisms in 1/10th ML.
- 18 Samples showed coliform organisms in 1/10th ML.
- 12 Samples showed coliform organisms in 1/100th ML.
- 18 Samples showed coliform organisms in 1/1000th ML.

CITY AREA FARMS.

- 152 Samples passed the Methylene Blue Test.
- 44 Samples failed to pass the Methylene Blue Test.
- 4 Samples were found to contain *Brucella Abortus*.

COUNTY AREA FARMS.

- 63 Samples passed the Methylene Blue Test.
- 23 Samples failed to pass the Methylene Blue Test.
- 1 Sample not tested owing to sourness.
- 3 Samples were found to contain *Brucella Abortus*.

PROCESSED MILK—100.

- 81 Samples passed the Methylene Blue Test.
- 19 Samples failed to pass the Methylene Blue Test.
- 83 Samples passed the Phosphatase Test.
- 17 Samples failed to pass the Phosphatase Test.
- 37 Samples passed the Phenol Phthalein Test.
- 3 Samples failed to pass the Phenol Phthalein Test.

STERILIZED MILK—21.

- 21 Samples passed the Methylene Blue Test.
- 15 Samples passed the Phosphatase Test.
- 8 Samples passed the Turbidity Test.

230 of the ordinary raw milks were also examined for the presence of Tubercle Bacilli with results as follows :—

	<i>No. of Samples</i>	<i>Negative</i>	<i>Positive</i>	<i>Per Cent. Affected</i>
City Area Farms ..	182	172	10	5.49
County Area Farms ..	48	47	1	2.08

Percentage of all samples affected, 4.78%.

In two cases the guinea pig died of Intercurrent Disease.

Milk (Special Designations) Orders, 1936-1946.

185 Samples of Graded Milk were also submitted for bacteriological tests as follows :—

ACCREDITED MILK—78.

- 44 Samples showed no coliform organisms in 1/100th ML. 3 tubes.
- 8 Samples showed coliform organisms in 1/100 th ML. 1 tubes.
- 3 Samples showed coliform organisms in 1/100th ML. 2 tubes.
- 23 Samples showed coliform organisms in 1/100th ML. 3 tubes.
- 64 Samples passed the Methylene Blue Test.
- 14 Samples failed to pass the Methylene Blue Test.

TUBERCULIN TESTED—20.

- 6 Samples showed no coliform organisms in 1/100th ML. 3 tubes.
- 3 Samples showed coliform organisms in 1/100th ML. 1 tubes.
- 1 Sample showed coliform organisms in 1/100th ML. 2 tubes.
- 10 Samples showed coliform organisms in 1/100th ML. 3 tubes.
- 9 Samples passed the Methylene Blue Test.
- 11 Samples failed to pass the Methylene Blue Test.

TUBERCULIN TESTED CERTIFIED—3.

- 1 Sample showed no coliform organisms in 1/100th ML. 3 tubes.
- 2 Samples showed coliform organisms in 1/100th ML. 3 tubes.
- 2 Samples passed the Methylene Blue Test.
- 1 Sample failed to pass the Methylene Blue Test.

HIGH TEMPERATURE SHORT TIME PASTEURISED—50.

- 47 Samples passed the Methylene Blue Test.
- 1 Sample failed to pass the Methylene Blue Test.
- 49 Samples passed the Phosphatase Test.
- 1 Sample failed to pass the Phosphatase Test.
- 24 Samples passed the Phenol Phthalein Test.
- 2 Samples not tested because of sourness.

PASTEURISED HOLDER—13.

- 13 Samples passed the Methylene Blue Test.
- 12 Samples passed the Phosphatase Test.
- 1 Sample failed to pass the Phosphatase Test.
- 6 Samples passed the Phenol Phthalein Test.

TUBERCULIN TESTED PASTEURISED—21.

- 19 Samples passed the Methylene Blue Test.
- 2 Samples not tested because of sourness.
- 21 Samples passed the Phosphatase Test.
- 12 Samples passed the Phenol Phthalein Test.

82 of the Designated Milk were also submitted for biological tests with results as follows :—

ACCREDITED MILKS.

		<i>Negative</i>	<i>Positive</i>	<i>Per Cent. Affected</i>
City Area Farms	..	65	2	2.98
County Area Farms	..	1	Nil	Nil
Percentage of Samples affected, 2.94%.				

TUBERCULIN TESTED.

		<i>Negative</i>	<i>Positive</i>	<i>Per Cent. Affected</i>
City Area Farms	..	2	Nil	Nil
County Area Farms	..	7	Nil	Nil
One Sample contained Brucella Abortus.				

TUBERCULIN TESTED CERTIFIED.

		<i>Negative</i>	<i>Positive</i>	<i>Per Cent. Affected</i>
City Area Farms	..	2	Nil	Nil
County Area Farms	..	1	Nil	Nil

TUBERCULIN TESTED. PASTEURISED.

		<i>Negative</i>	<i>Positive</i>	<i>Per Cent. Affected</i>
County Area	.. ..	1	Nil	Nil

HIGH TEMPERATURE SHORT TIME PASTUERISED.

		<i>Negative</i>	<i>Positive</i>	<i>Per Cent. Affected</i>
City Plants	.. ..	2	Nil	Nil

Percentage of Designated Milk affected, 2.43%.

Percentage of all milks affected, 4.16%.

Milk and Dairies Order, 1926.

133 visits were made to cowsheds and 809 to dairies in connection with sampling inspections and interviews, re alterations and repairs.

- 5 new dairies have been erected.
- 1 dairy repaired.
- 5 cowsheds have been repaired and,
- 2 cowsheds remodelled.
- 1 Milk vessel room has been provided.

Public Swimming Baths.

66 Samples of Public Swimming Baths water were taken for bacteriological examination with results as follows :—

- 36 Samples, Satisfactory.
- 30 Samples, Unsatisfactory.

Special Duties.

522 visits were made to premises for appointments, interviews and investigations.

FOOD INSPECTION.

Report on the inspection of meat and other foods, and the supervision of premises where food is prepared, stored or sold.

Meat Inspection.

ANIMALS SLAUGHTERED AND INSPECTED IN THE CITY.

	<i>Bulls</i>	<i>Steers</i>	<i>Cows</i>	<i>Heifers</i>	<i>Calves</i>	<i>Sheep</i>	<i>Pigs</i>		<i>Total</i>
1948 ..	598	3,714	6,268	5,410	16,418	49,289	5,072	..	86,769
1947 ..	482	2,707	6,824	4,912	19,674	45,047	2,717	..	82,363

ANIMALS SLAUGHTERED OUTSIDE THE CITY BUT SUBMITTED FOR INSPECTION AT THE PUBLIC ABATTOIR.

Carcases and Organs of—

	<i>Bulls</i>	<i>Steers</i>	<i>Cows</i>	<i>Heifers</i>	<i>Calves</i>	<i>Sheep</i>	<i>Pigs</i>		<i>Total</i>
1948 ..	3	21	65	51	1	333	47	..	521
1947 ..	—	68	47	2	1	802	25	..	945

Livestock (Restrictions on Slaughtering) Order, 1940.

Under the Government Scheme for the control and distribution of meat, all slaughtering of cattle continues to be carried out on behalf of the Ministry of Food at the Corporation Abattoir, Hanley, and at the Keele Street Slaughterhouse, Tunstall. In addition, two private licensed slaughterhouses are used for the slaughter of pigs for bacon production. This concentration of slaughtering makes it possible for adequate inspection to be carried out and all carcases and offals are inspected at the time of slaughter.

During the year 822 pigs were slaughtered under licence (on private premises) by producers for their own use.

Tuberculosis Order, 1938.

During the year, 18 cows we dealt with under the provisions of the above Order were slaughtered at the Corporation Abattoir. 10 were found to be affected with advanced tuberculosis and the whole carcasses and organs were condemned. 6 were found to be affected with non-advanced tuberculosis and in these cases the affected parts and organs were condemned.

Congenital Tuberculosis in Calves.

During the year, 91 calves under three weeks old slaughtered at the Corporation Abattoir were found to be affected with congenital tuberculosis. 32 cases were notified to the Ministry of Agriculture and Fisheries (Animal Health Division) for follow-up enquiries respecting the dams of the infected calves.

As a result of these enquiries, the Ministry reports that in 9 cases the dams have been traced and found to be positive reactors and have been slaughtered under the provisions of the Tuberculosis Order, 1938.

Slaughter of Animals Act, 1933.

HUMANE SLAUGHTERING.

The stunning of animals is carried out by the means of electrically operated instruments or captive bolt pistols.

SLAUGHTERMEN'S LICENCES.

Section 3 of the Act requires the licensing of slaughtermen by the Local Authority and only fit and proper persons who have attained the age of 18 years are permitted to hold such a licence.

New Licences granted during 1948	..	..	..	..	24
Licences revoked during 1948	..	..	..	..	1
Total number of Licences in operation, December 31st, 1948					125

NUMBER OF WHOLE AND PART CARCASSES CONDEMNED.

			<i>Bulls</i>	<i>Steers</i>	<i>Cows</i>	<i>Heifers</i>	<i>Calves</i>	<i>Sheep</i>	<i>Pigs</i>	<i>Total</i>
Tuberculosis—										
Whole	..	..	14	8	179	52	91	1	23	.. 368
Part	..	..	8	23	246	62	—	—	219	.. 558
Other Diseases—										
Whole	..	..	5	—	32	1	523	118	16	.. 695
Part	..	..	4	22	63	72	25	82	31	.. 299

TOTAL NUMBER OF WHOLE AND PART CARCASSES CONDEMNED.

			<i>Whole</i>	<i>Part</i>
1948	..	..	1,063	857
1947	..	..	1,380	723

WEIGHT OF MEAT AND OFFAL CONDEMNED.

		1948				1947			
		<i>Tons</i>	<i>Cwts.</i>	<i>Qrs.</i>	<i>lbs.</i>	<i>Tons</i>	<i>Cwts.</i>	<i>Qrs.</i>	<i>lbs.</i>
Home Killed : Meat	..	103	9	2	14	104	15	2	9
	Offal	162	4	0	25	149	18	3	1
Imported : Meat	..	2	16	1	26	13	19	3	14
	Offal	—	5	0	19	—	2	2	4
TOTALS	..	268	15	2	0	268	16	3	0

CASUALTY ANIMALS FROM FARM PREMISES.

		1948				1947					
Number dealt with in the City ..		275	..	199							
	<i>Bulls</i>	<i>Steers</i>	<i>Cows</i>	<i>Heifers</i>	<i>Calves</i>	<i>Sheep</i>	<i>Pigs</i>		<i>Total</i>		
1947 ..	14	—	83	10	35	21	36	..	199		
1948 ..	13	11	101	13	28	32	77	..	275		
		1948				1947					
		<i>No.</i>	<i>Tons</i>	<i>Cwts.</i>	<i>Qrs.</i>	<i>lbs.</i>	<i>No.</i>	<i>Tons</i>	<i>Cwts.</i>	<i>Qrs.</i>	<i>lbs.</i>
Whole carcasses											
condemned ..	..	76	8	13	7	16	72	9	1	1	21
Part carcasses											
condemned ..	..	56	0	16	0	20	31	—	10	1	8
Offals condemned	..	—	4	11	0	11	—	5	3	0	26
TOTALS ..		132	14	2	0	19	103	14	14	3	27

UNGRADED AND OTHER CATTLE FROM MINISTRY OF FOOD COLLECTING CENTRES SLAUGHTERED AT OWNERS' RISK.

		1948				1947					
Number dealt with in the City ..		190	..	398							
	<i>Bulls</i>	<i>Steers</i>	<i>Cows</i>	<i>Heifers</i>	<i>Calves</i>	<i>Sheep</i>	<i>Pigs</i>		<i>Total</i>		
1948 ..	24	—	102	12	154	19	—	..	311		
1947 ..	14	3	313	17	27	24	—	..	398		
		1948				1947					
		<i>No.</i>	<i>Tons</i>	<i>Cwts.</i>	<i>Qrs.</i>	<i>lbs.</i>	<i>No.</i>	<i>Tons</i>	<i>Cwts.</i>	<i>Qrs.</i>	<i>lbs.</i>
Whole carcasses											
condemned ..	..	71	7	13	0	25	144	20	18	2	7
Part carcasses											
condemned ..	..	12	—	4	2	8	35	—	7	2	7
Offals condemned	..	—	3	19	2	8	—	13	7	1	—
TOTALS ..		83	11	17	1	13	179	34	13	1	14

INCIDENCE OF DISEASE OTHER THAN TUBERCULOSIS IN FOOD ANIMALS WHICH NECESSITATED THE CONFISCATION OF THE WHOLE OF THE CARCASE AND ORGANS.

				<i>Bulls</i>	<i>Steers</i>	<i>Cows</i>	<i>Heifers</i>	<i>Calves</i>	<i>Sheep</i>	<i>Pigs</i>
Anaemia .. ..	..	..	..	—	—	—	—	1	1	—
Bruising, general ..	..	..	..	—	—	1	—	10	4	—
Dropsy, general ..	..	..	..	2	—	8	1	5	19	5
Emaciation, general ..	..	..	..	—	—	1	—	19	41	—
Erysipelas, acute swine ..	..	..	..	—	—	—	—	—	—	1
Fever (acute) .. ..	..	..	..	1	—	1	—	3	2	2
Immaturity .. ..	..	..	..	—	—	—	—	425	—	—
Jaundice .. ..	..	..	..	—	—	—	—	6	—	—
Lymphadenitis, caseous ..	..	..	..	—	—	—	—	—	1	—
Malignant neoplasms ..	..	..	..	1	—	1	—	3	2	—
Mammitis, acute septic ..	..	..	..	—	—	4	—	—	—	—
Moribund .. ..	..	..	..	—	—	1	—	21	12	1
Pericarditis, septic ..	..	..	..	1	—	1	—	—	—	—
Pneumonia, Gangrenous ..	..	..	..	—	—	1	—	2	1	2
Pyæmia .. ..	..	..	..	—	—	3	—	11	33	3
Septicæmia .. ..	..	..	..	—	—	4	—	2	2	1
Umbilical pyæmia ..	..	..	..	—	—	—	—	15	—	—
Uraemia .. ..	..	..	..	—	—	6	—	—	—	1
TOTALS ..				5	—	32	1	523	118	16

CARCASES INSPECTED AND NUMBER CONFISCATED EITHER WHOLLY OR IN PART ON ACCOUNT OF DISEASE.

				<i>Bulls</i>	<i>Steers</i>	<i>Cows</i>	<i>Heifers</i>	<i>Total</i>	<i>Calves</i>	<i>Sheep</i>	<i>Pigs</i>
Animals Inspected ..				601	3,735	6,333	5,461	16,130	16,419	49,622	5,109
TUBERCULOSIS—											
Whole Carcases .. ..	..	..		14	8	179	52	253	91	1	26
Parts and Organs ..	..	..		264	544	3,140	1,175	5,123	2	—	308
% affected with Tuberculosis ..	..	..		46.25	14.77	52.41	22.46	33.33	.56	.002	6.53
OTHER DISEASES—											
Whole carcasses .. ..	..	..		5	—	32	1	38	523	118	16
Part and Organs ..	..	..		102	1,547	1,680	1,728	5,057	60	7,113	102
% affected with other diseases ..	..	..		17.8	41.41	27.03	31.66	31.58	3.55	14.57	2.3

Other Foods Condemned.

				<i>Tons</i>	<i>Cwts.</i>	<i>Qrs.</i>	<i>lbs.</i>
Canned Meat	..	..	..	4	5	2	18
Canned Fruit	..	..	..	2	0	0	24
Canned Milk	..	..	..	1	6	1	21
Canned Fish	..	..	..	—	8	2	18
Canned Vegetables	..	..	..	4	9	1	17
Canned Soups	..	..	..	—	5	0	8
Preserves	..	..	..	—	19	0	12
Bacon	..	..	..	—	12	1	23
Butter, Margarine and Cheese	..			—	5	2	22
Provisions and Confectionery	..			—	3	0	5
Cereals	..	..	..	2	9	2	18
Dried Fruit	..	..	..	—	—	2	4
Vegetables	..	..	..	2	3	3	3
Wet Fish	..	..	..	3	0	1	9
Dried Fish	..	..	..	—	2	2	18
Shell Fish	..	..	..	—	—	3	17
Eggs	..	..	..	—	—	1	26
Rabbits and Poultry	..	..		—	13	1	26
Flour	..	..	..	—	18	1	6
Miscellaneous	..	..	..	3	14	1	24
TOTAL				28	0	1	11

PUBLIC HEALTH ACT, 1936.

Offensive Trades.

Number of premises on the register, 31st December, 1947	..	18
Number of premises on the register, 31st December, 1948	..	20

List of Classification of Registered Trades.

Knackers' Yard	..	..	..	..	..	..	1
Tripe Boilers	..	..	..	..	..	..	11
Gut Scrapers	..	..	..	..	..	..	5
Fat Melters and extractors	..	..	..	..	..	..	1
Hide and Skin Yards	..	..	..	..	..	..	2

The premises in all cases are maintained in compliance with the provisions of the bye-laws applicable to each particular trade.

INSPECTION OF PROPOSED NEW FOOD PREMISES.

	1948	1947
Cafes and Restaurants	9	22
Snack Bars	51	20
Club Kitchens and Guest Houses	—	2
Greengrocery Shops	6	18
Grocery Shops	24	4
Butchery Shops	3	2
Fried Fish Shops	23	9
Fishmongers Premises	—	9
Bakehouses and Oatcake Bakeries	8	11
Hawkers Storage Places	1	6
Mobile Food Premises	3	5
Sugar Confectionery premises	13	8
Poultry and Rabbits premises	18	—
Licensed Premises (Food Preparation)	19	—
School Meals and School Feeding Centres	24	—
Cooked Meat Shops	4	—
Industrial Canteens	5	—
	<hr/>	<hr/>
TOTALS ..	211	116
	<hr/>	<hr/>

INSPECTIONS OF, AND VISITS TO FOOD PREMISES.

Ministry of Food Killing Centres and Knackers' Yards	2,718
Public Markets	571
Butchers and Cooked Meat (Preparation Rooms)	365
Industrial and School Canteens	334
Butchers' Shops	315
Food Warehouses	236
Cafe and Civic Restaurant Kitchens	280
Fried Fish Shops	157
Bakehouses	93
Milk and Snack Bars	110
Offensive Trades (Tripe Boiling, Gut Scraping, etc.)	118
Fishmongers' Shops	70
Grocers	345
Oatcake Bakeries	59
Confectionery Shops	24
Hospitals and Institutions (Food Supplies)	44
Licensed Premises (Hotels, etc.)	45
Greengrocers	61
Cold Stores	11
Miscellaneous	369
	<hr/>
TOTAL ..	6,325
	<hr/>

STOKE-ON-TRENT CORPORATION ACT, 1935, SEC. 68.

Trade or Business	No. in City	Inspection and revisits during year	No. of premises now registered	No. of premises with work in progress	Premises closed and/or registration revoked during the year
Butchers' and Cooked Meat shops preparation rooms	193	365	166	48	4
Cafe and Civic Restaurant Kitchens	64	280	13	18	1
Industrial and School Canteen Kitchens	210	334	17	77	—
Fried Fish Shops ..	208	157	11	23	—

Registration of the Food Preparation Premises shown in the above table is compulsory under this Act. Before registration is granted premises must comply with the Structural Standard of Fitness laid down by the City Council in 1945.

PROSECUTIONS, 1948.

Description	Fines	Costs
MEAT	£ s. d.	£ s. d.
Having for the purpose of preparation for sale, certain pieces of meat intended for, but unfit for human consumption	10 0 0	3 3 0
Having for the purpose of preparation for sale, food intended for, but unfit for human consumption ..	Case Dismissed	—
Being in possession of meat which had not been purchased under authority of the Minister of Food. Bringing meat into the City for sale without giving notice in writing to the Medical Officer of Health ..	51 0 0	3 3 0
Dirty condition of Meat Transport Vehicle	10 0 0	2 2 0
Having in possession food unfit for human consumption. Slaughtering animals otherwise than with a mechanically operated instrument. Using premises as a slaughterhouse without holding a licence. Slaughtering for human consumption four sheep, contrary to the provisions of the Livestock (Restrictions on Slaughtering) Order, 1947. Having a quantity of meat in his possession which had not been purchased from the Minister or from a person selling it on his behalf	465 0 0	16 16 0
Two charges on behalf of Ministry of Food in respect of offences against Articles 5 (i) (b) and 2 (i) of the Livestock (Restriction on Slaughtering) Order 1947		
One charge Section 9 (i) (a) of the Food and Drugs Act, 1938.		
One charge under Section 5 of the Slaughter of Animals Act, 1933	430 0 0	21 0 0
Unlawfully having in his possession certain beef not purchased from the Minister of Food.		
Having for sale a pickled Ox tongue intended for, but unfit for human consumption.		
Not giving reasonable notice to the Medical Officer of Health where and when meat could be inspected ..	125 0 0	10 10 0
	£1,091 0 0	56 14 0

WATER SUPPLY.

The water supply of the City is provided by the Staffordshire Potteries Water Board, and is mainly obtained from the wells and boreholes sunk in the New Red Sandstone rocks. A small quantity is obtained from springs issuing from the Millstone Grit.

The supply is a constant one, and practically all the houses within the City have a piped supply for domestic purposes. Only a few persons draw water from standpipes. Water is supplied also for the trade purposes of the district.

The water is not plumbo solvent. Chloramine treatment is applied to the whole of the water supply.

During the year ended 31st December, 1948, the Board submitted 275 samples of water as supplied to the district for bacteriological examination and were reported on as being "very satisfactory, clear and bright in appearance and of the highest standard of bacterial purity indicative of pure and wholesome water suitable for the purpose of public supply. Of the total number of samples taken 100 per cent gave negative results when tested for Bacteria Coli and the 98 per cent gave negative results from the Clostridia Welchii Reaction.

The total rainfall during the year 1948 was 37.12 inches, this being slightly above the average. Of the past eight years only three years (1944, 1946 and 1948) had a yearly rainfall above the average, consequently the yields from the wells and boreholes are still below normal. The use of water continues to increase, some of which no doubt is legitimate, but there is every reason to think that much of the increase is due to waste from pipes and fittings, repairs to which have been neglected during the war years. It is also partly due to the indifference on the part of many consumers. The margin between the total water available from the sources and the consumption is now too small for safety.

The Water Board proceeded with the construction of the new source of supply in Cheshire and reasonable progress, in spite of difficulties in obtaining materials, was made on the laying of the large trunk main, the Bignall Hill Reservoir, and the sinking of permanent boreholes, included in stages 1 and 2 of the scheme.

Other substantial additions to the water resources on the Board are in course of construction.

REGISTER OF RAINFALL IN 1948 KEPT AT THE MEIR, LONGTON.

(By the courtesy of Mr. C. V. Brown)

			<i>Total Depth (ins.)</i>	<i>No. of days on which .01 inch or more fell</i>
January	..	..	6.45	29
February	..	..	1.62	17
March	..	..	1.09	9
April	..	..	2.49	16
May ..	..	..	1.92	10
June ..	..	..	4.47	22
July ..	..	..	2.27	12
August	..	..	5.45	17
September	..	..	3.21	14
October	..	..	2.39	12
November	..	..	2.13	16
December	3.63	16
TOTALS ..			<u>37.12</u>	<u>990</u>

In 1947, the total rainfall was 26.92 inches.

J.G.  Ltd.

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